

FIG. 1A

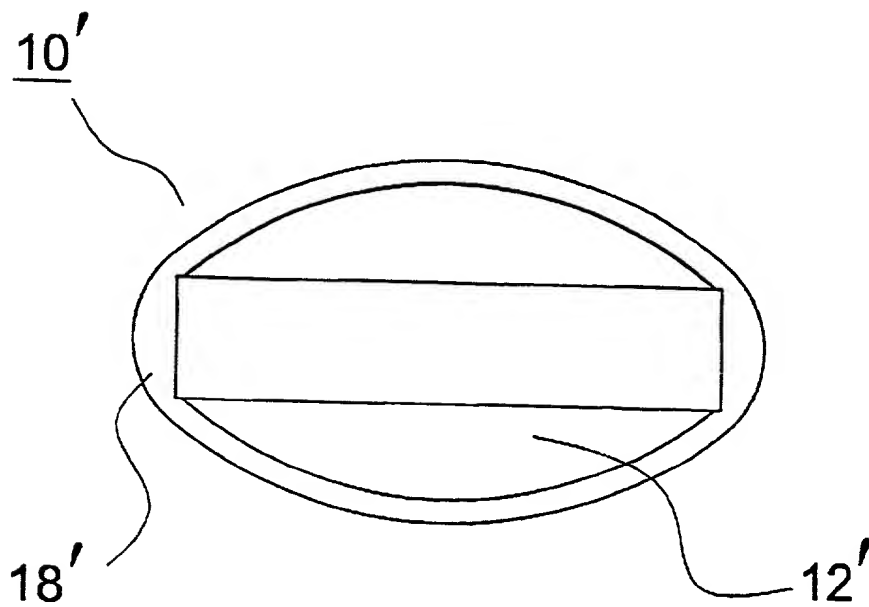


FIG. 1B

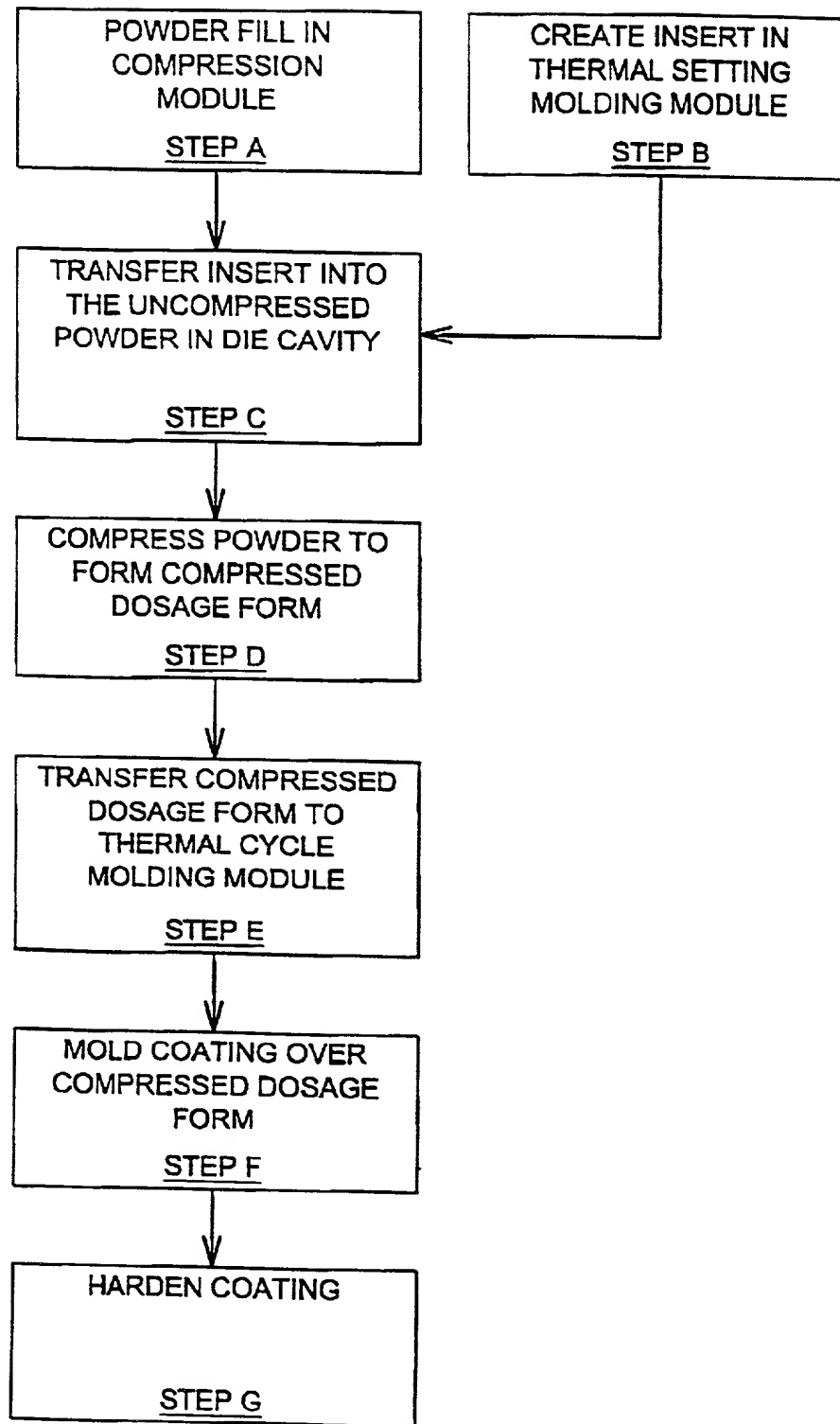


FIG. 2

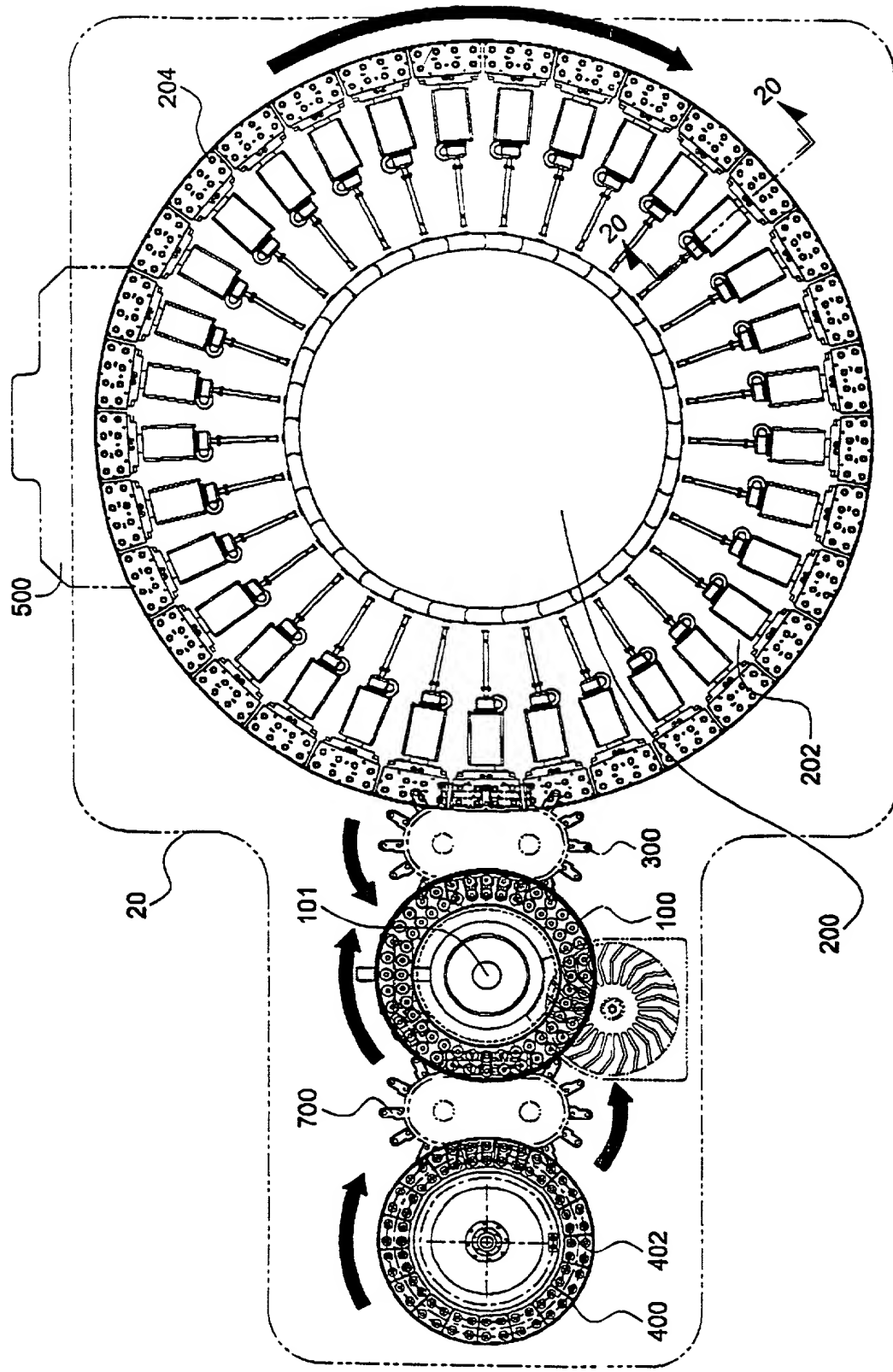


FIG. 3

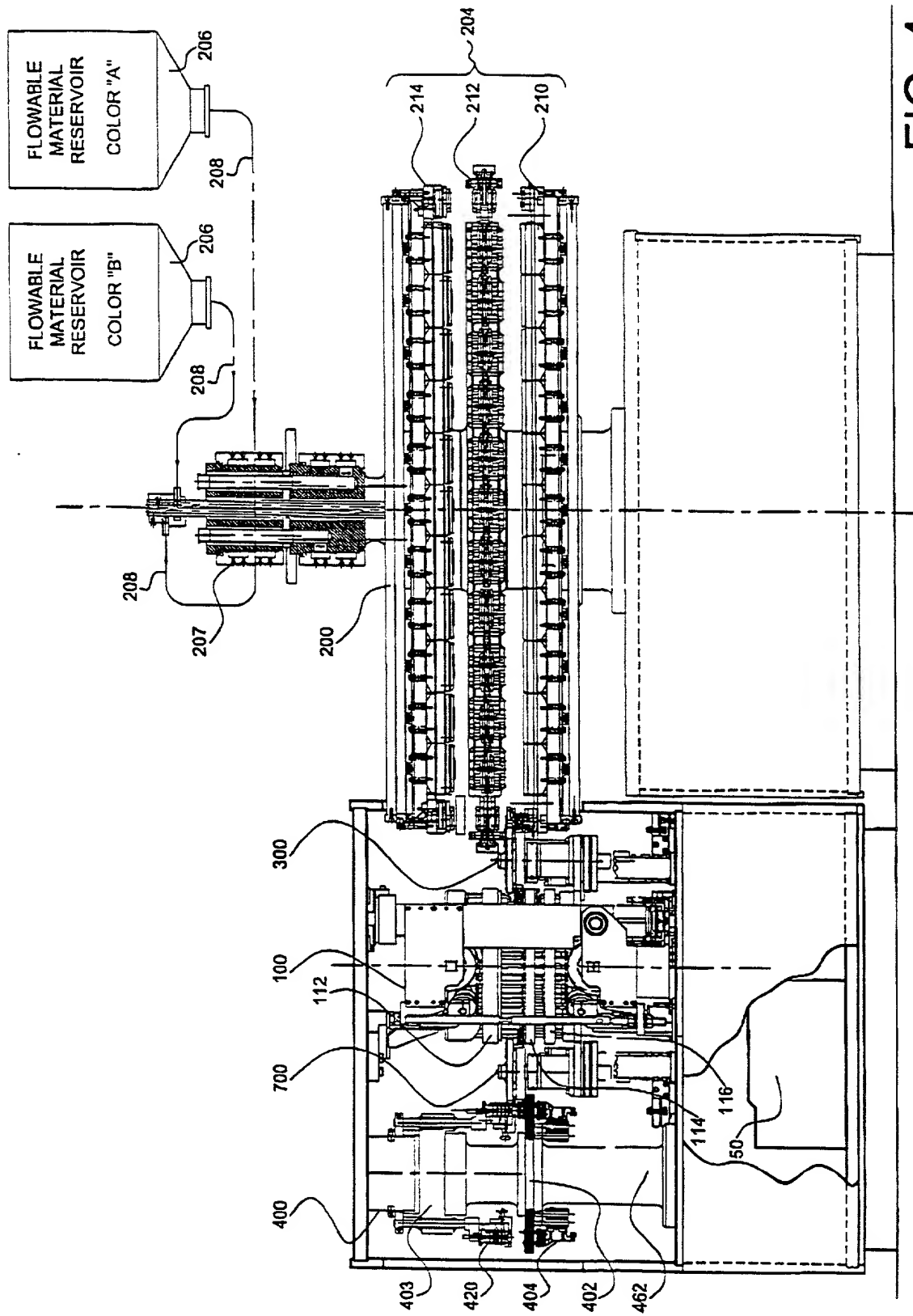


FIG. 4

FIG. 5

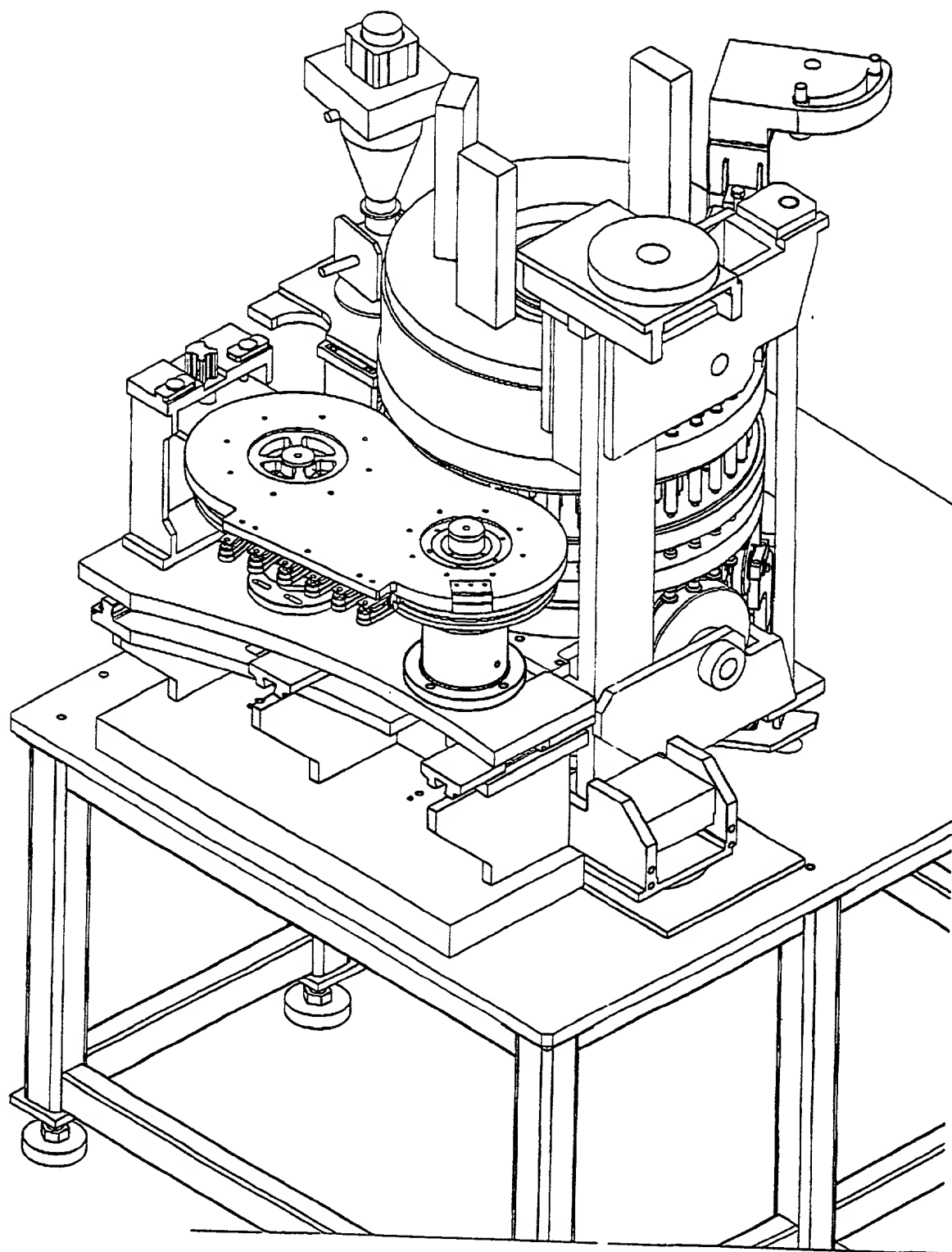


FIG. 5

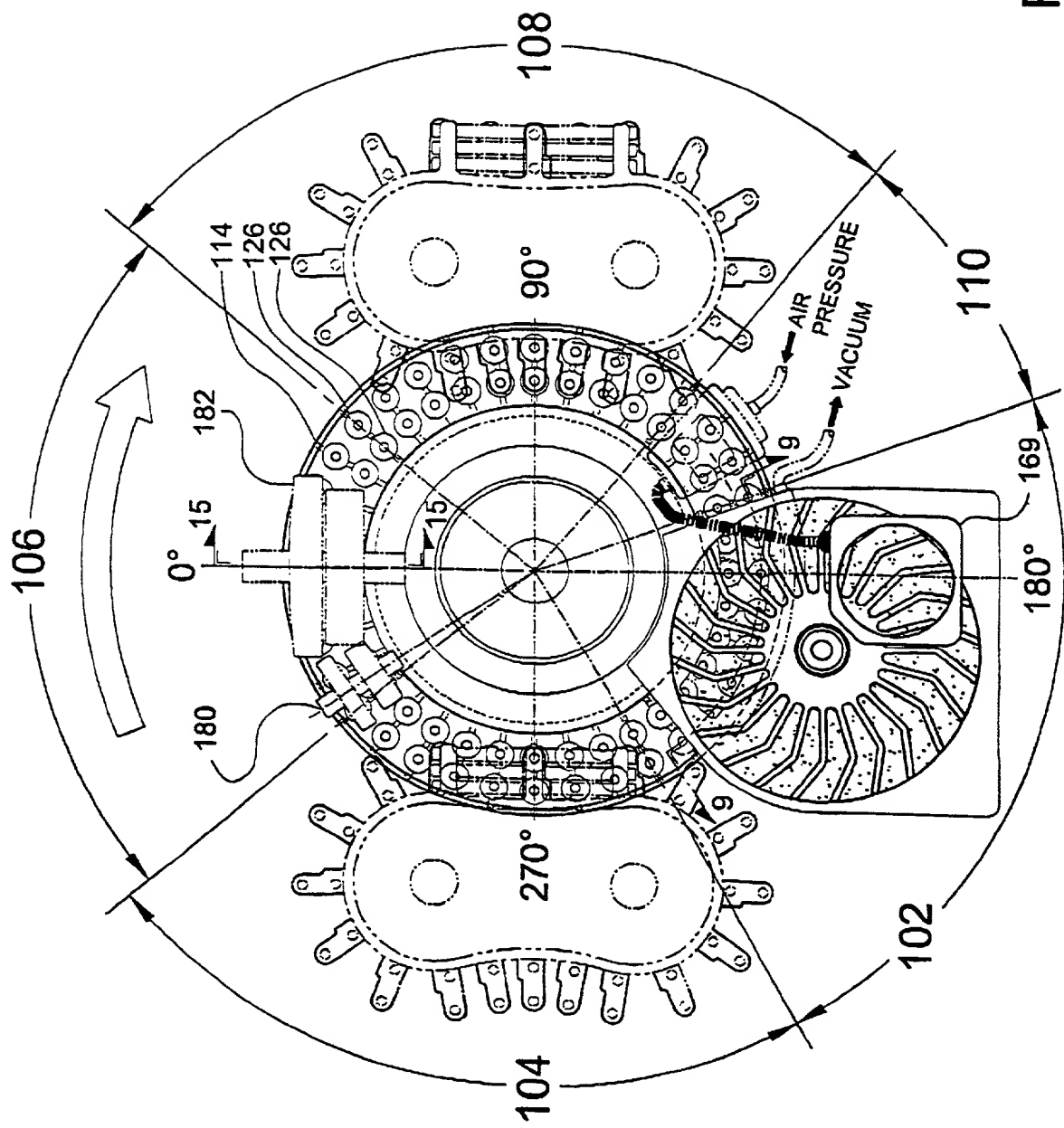
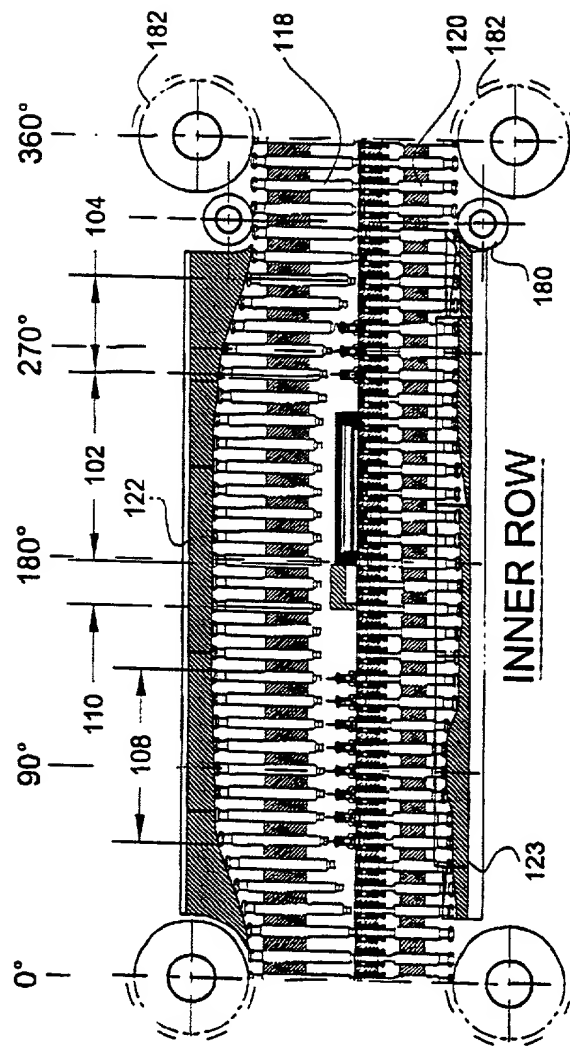
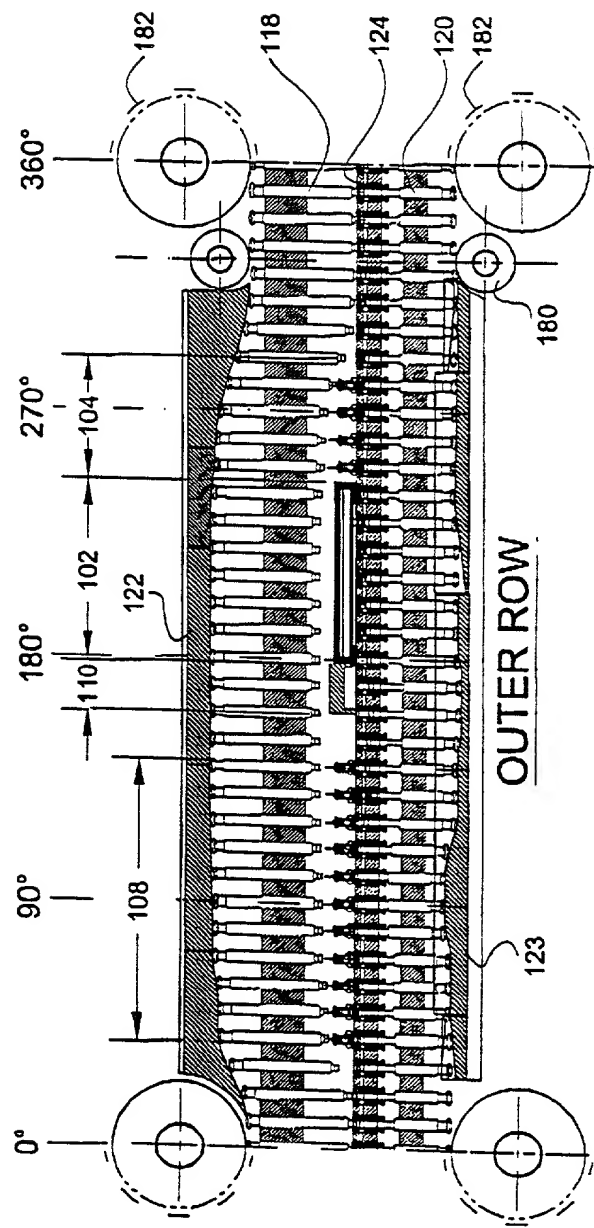


FIG. 6



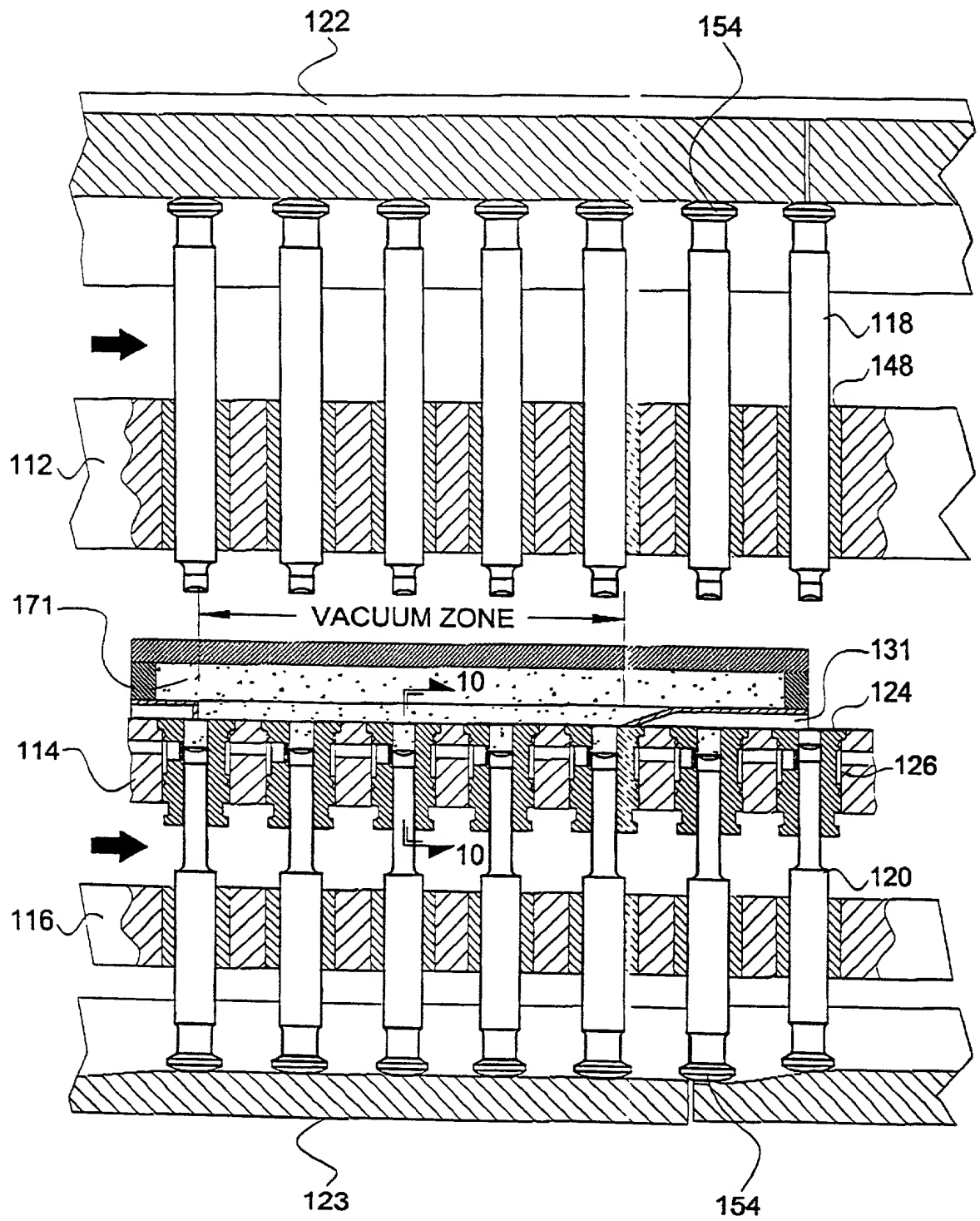


FIG. 9

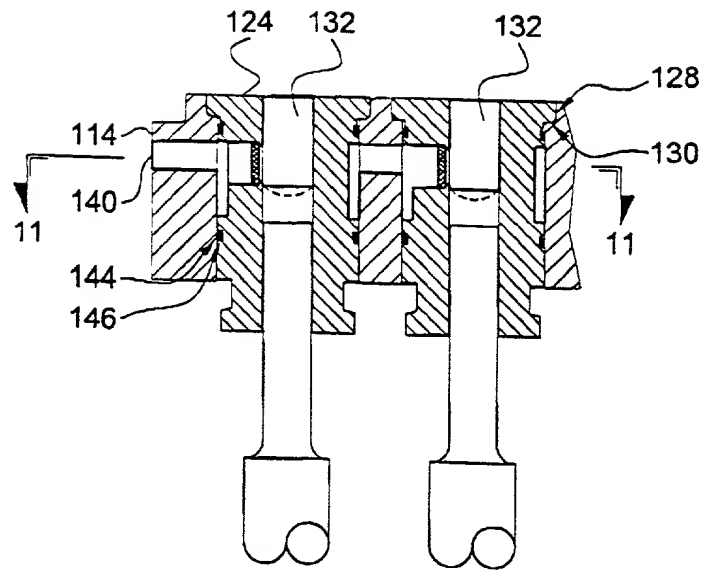


FIG. 10

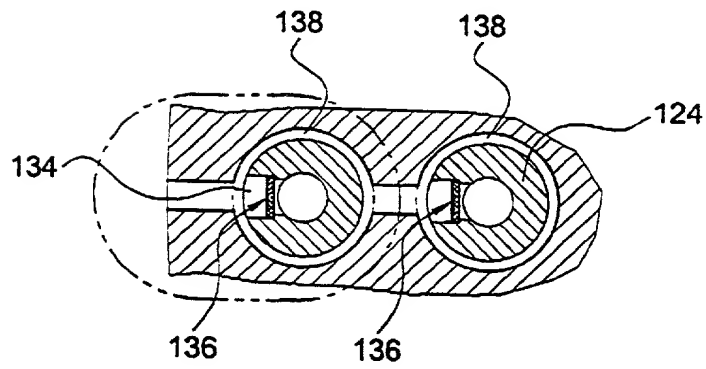


FIG. 11

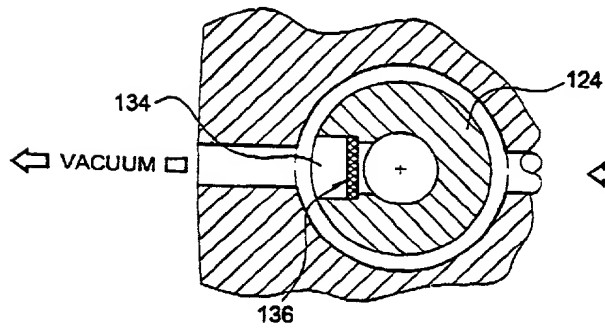


FIG. 12

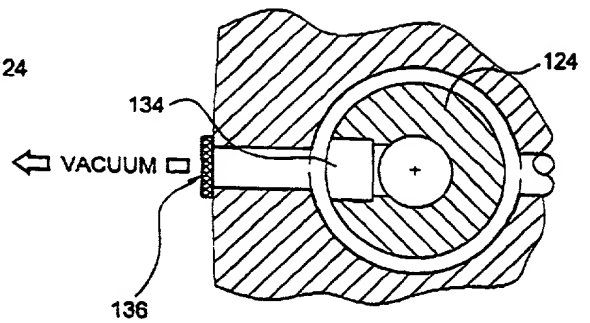


FIG. 12A

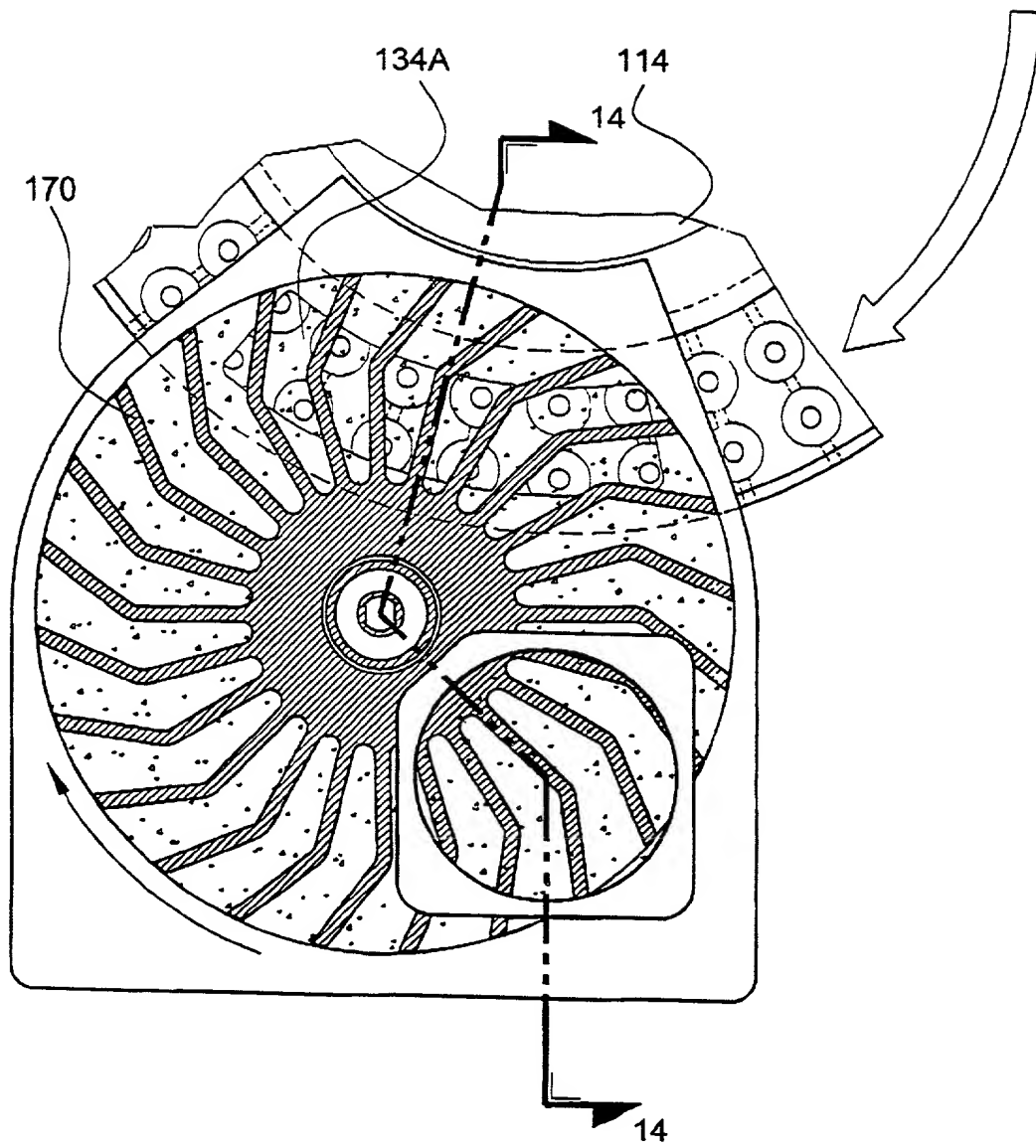


FIG. 13

FIG. 14

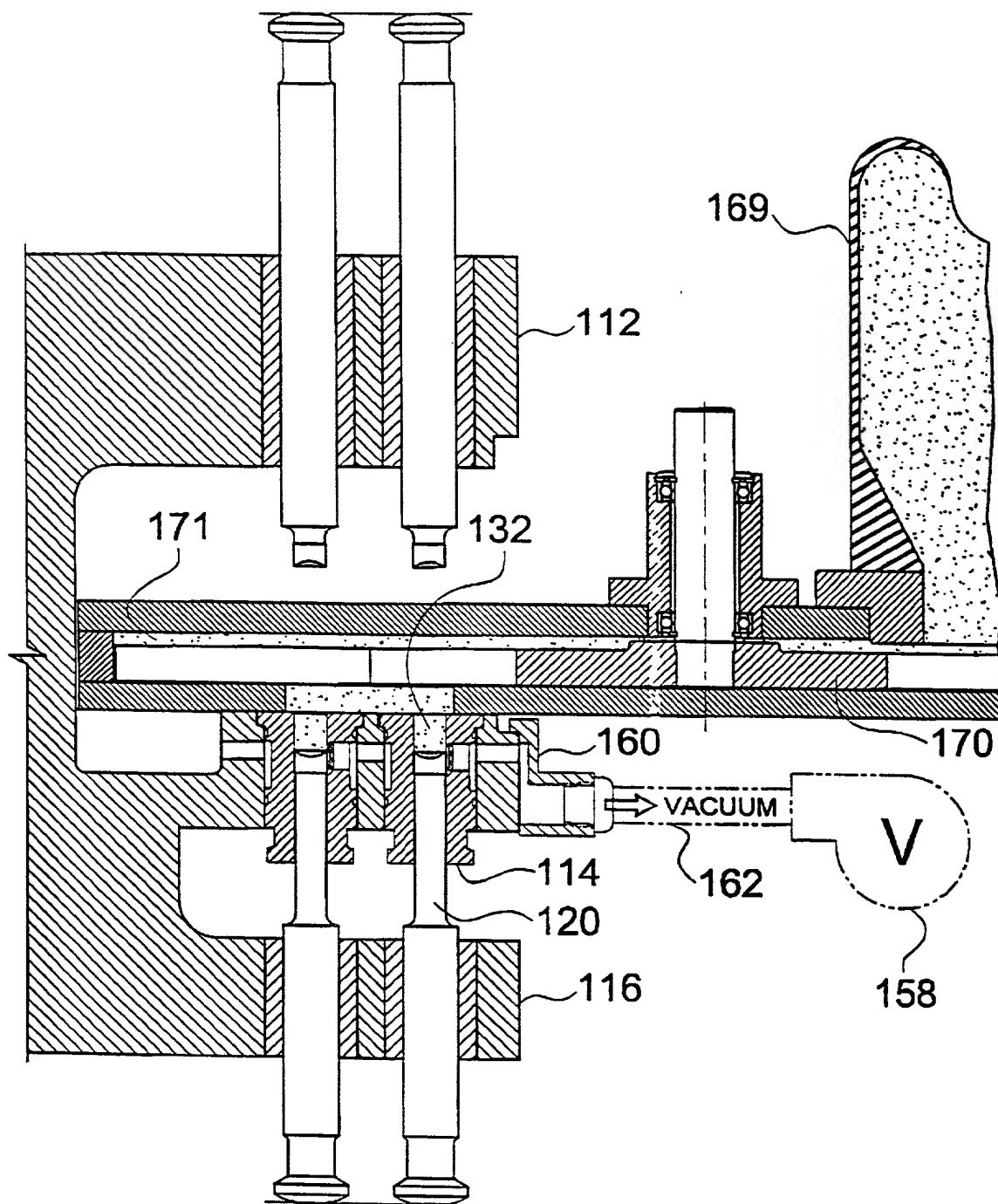


FIG. 14

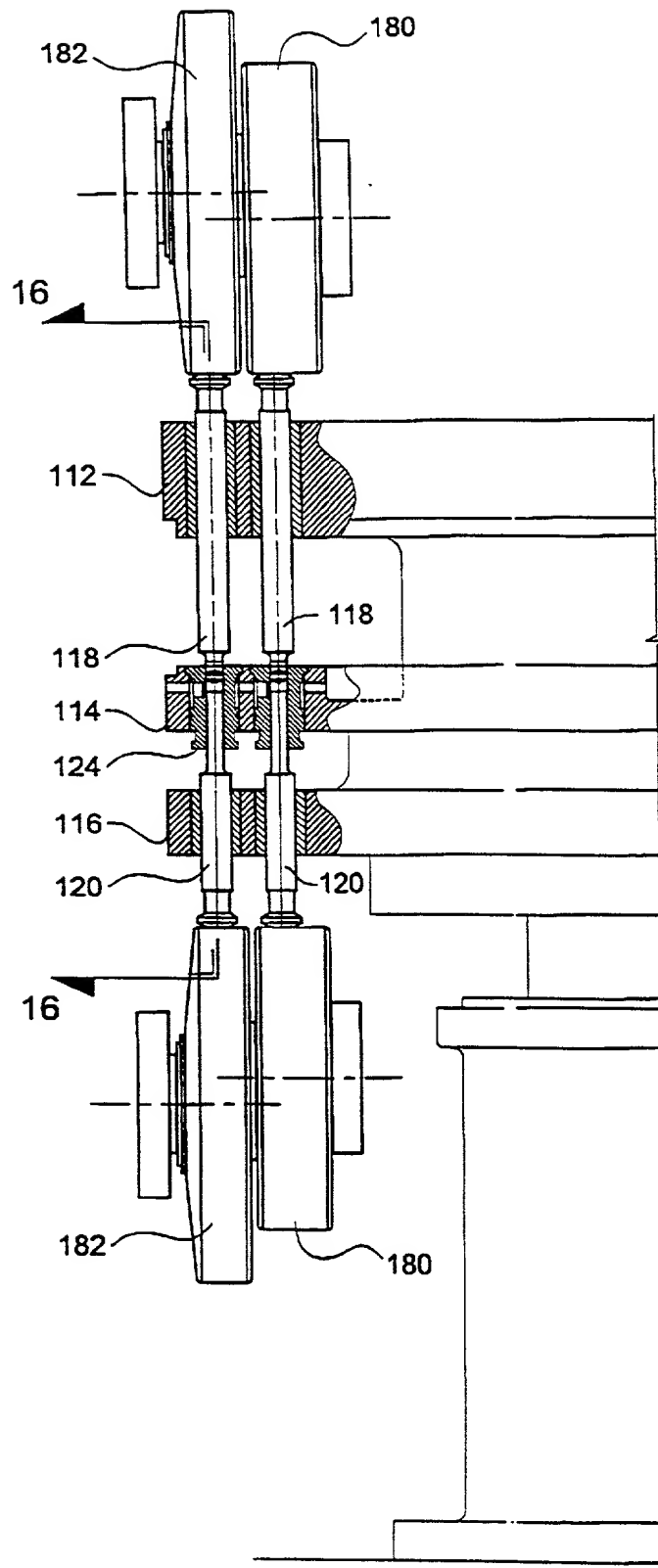


FIG. 15

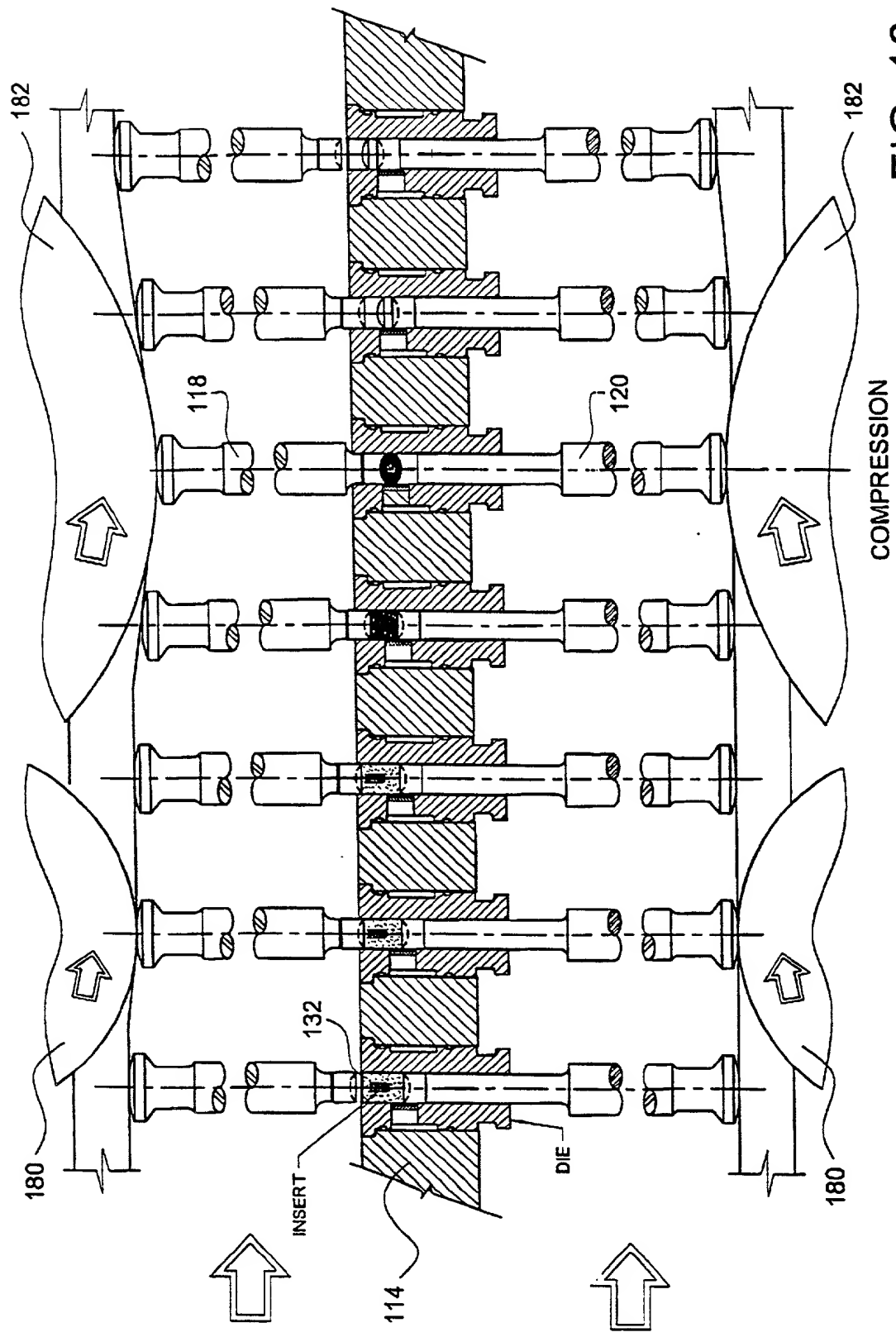
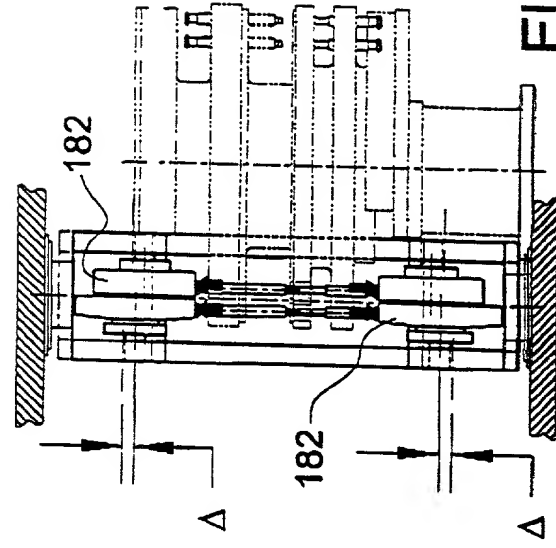
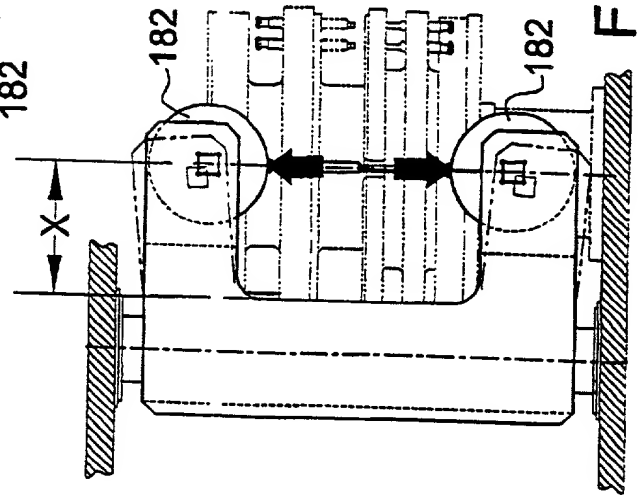
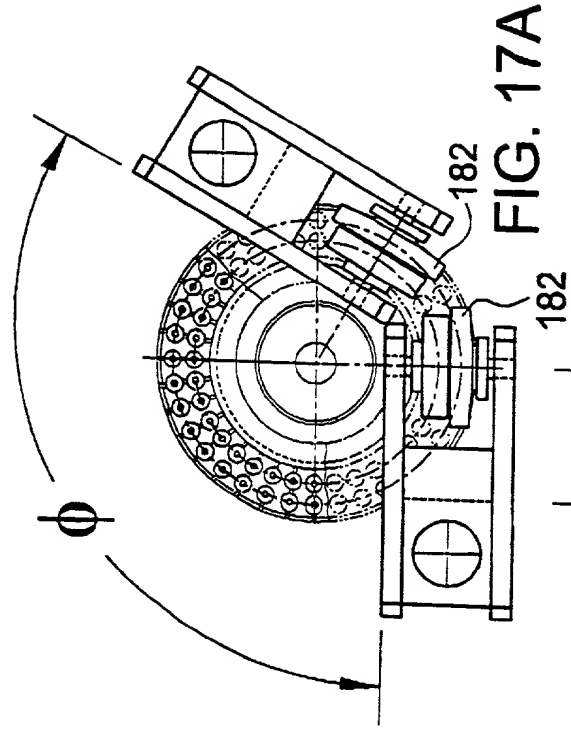


FIG. 16



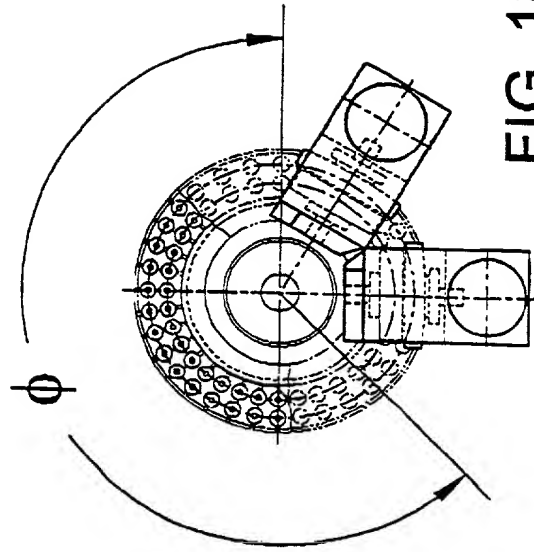


FIG. 18A

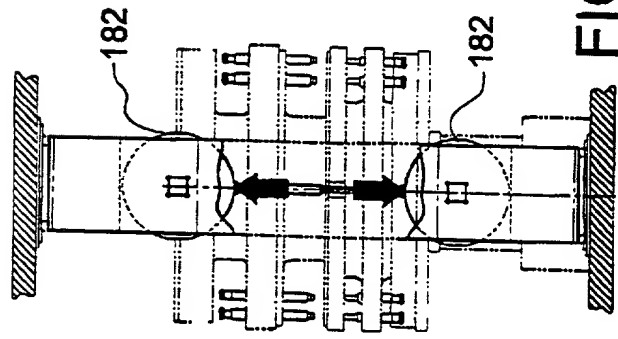


FIG. 18B

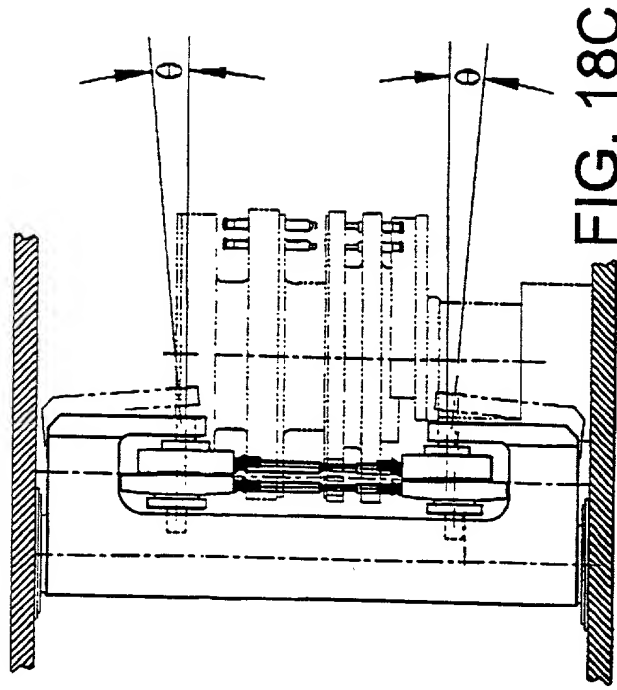


FIG. 18C

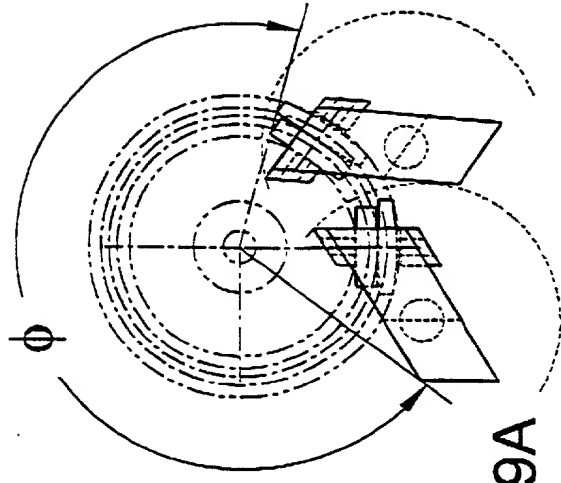


FIG. 19A

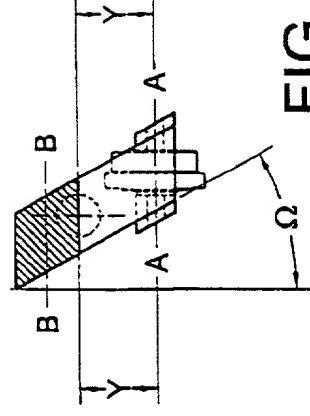


FIG. 19D

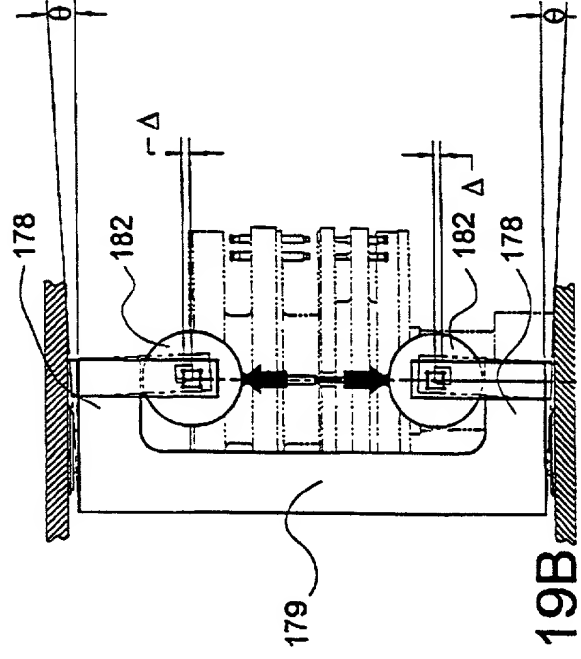


FIG. 19B

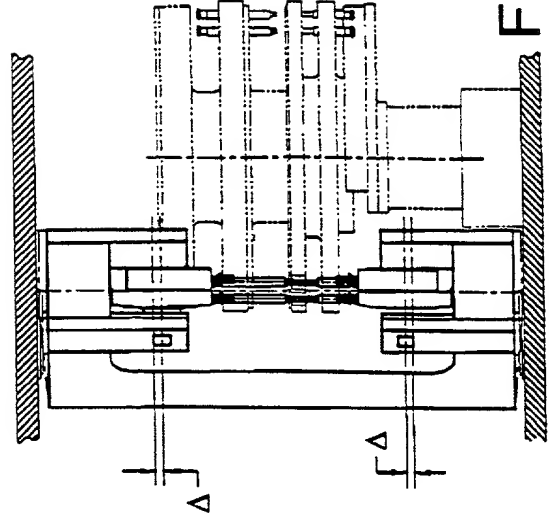


FIG. 19C

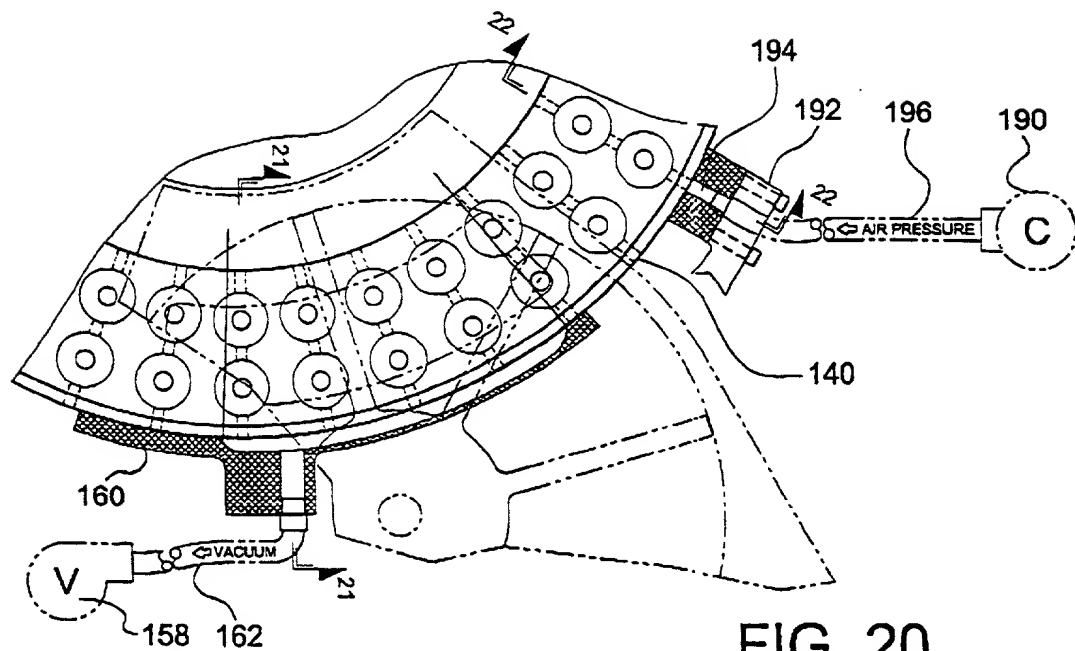


FIG. 20

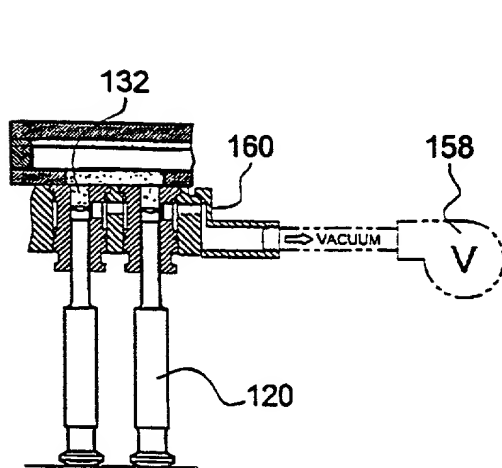


FIG. 21

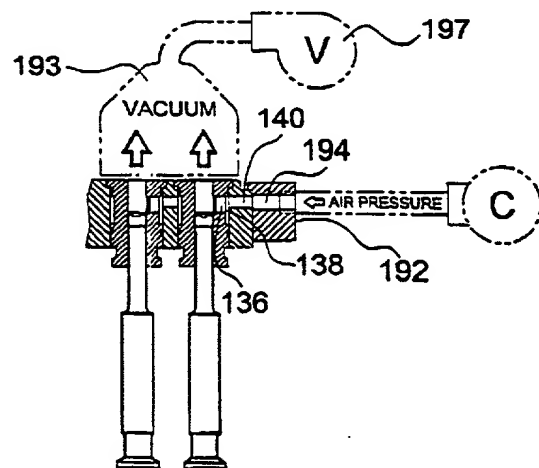
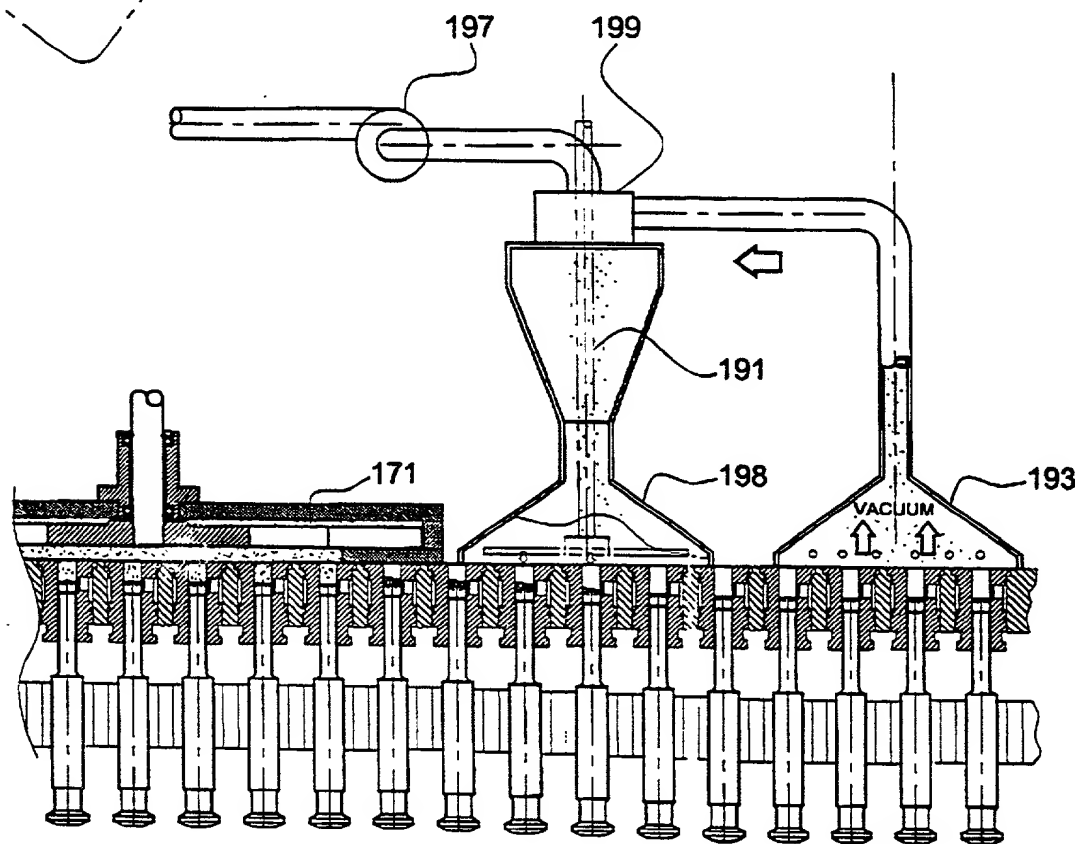
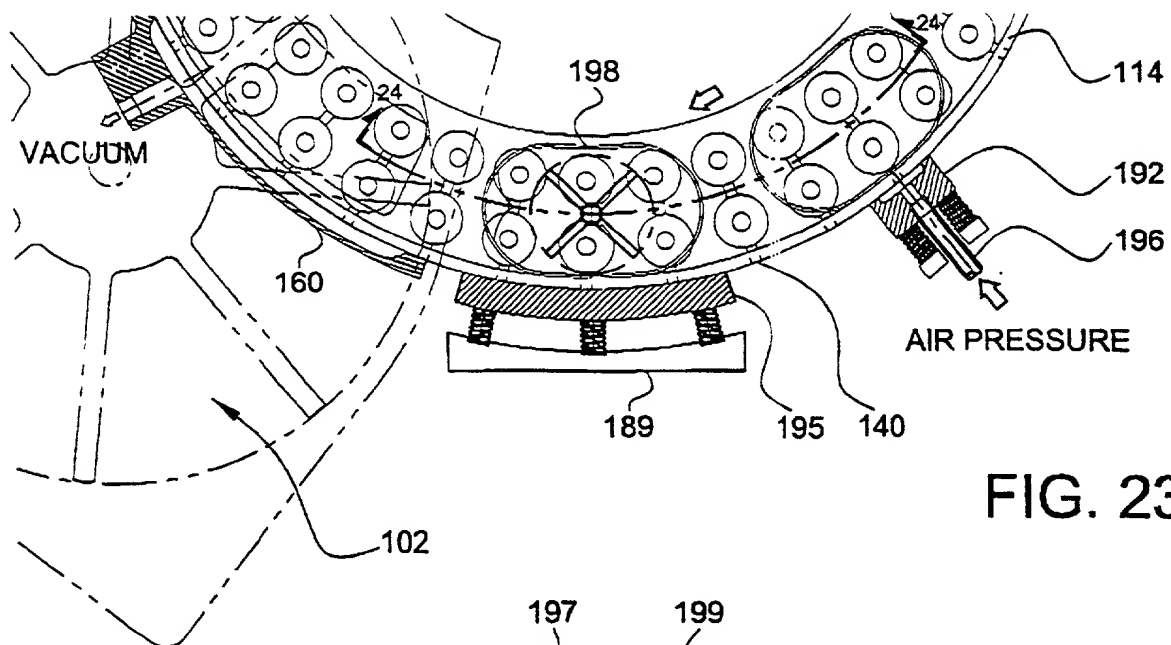


FIG. 22



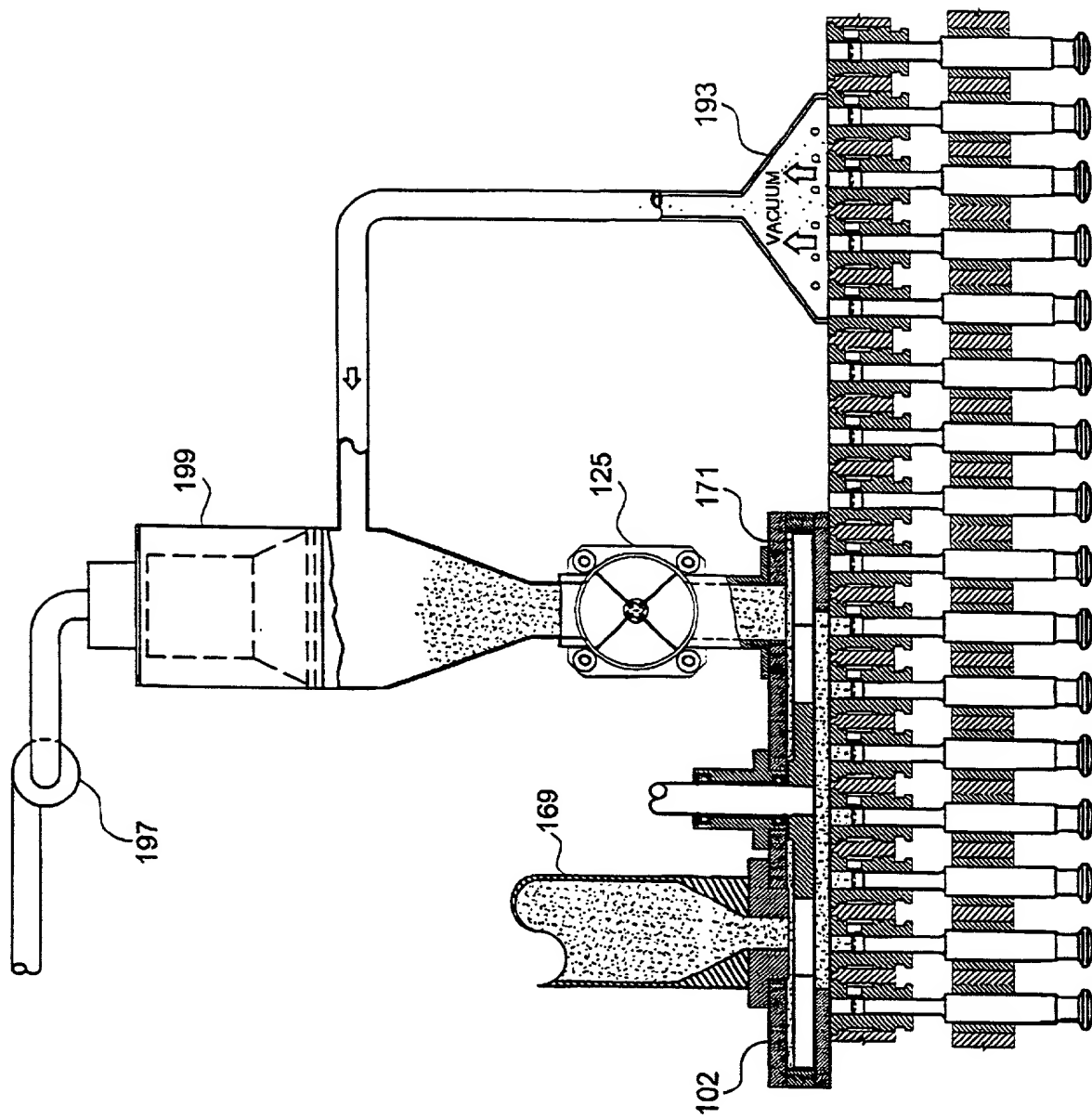


FIG. 25

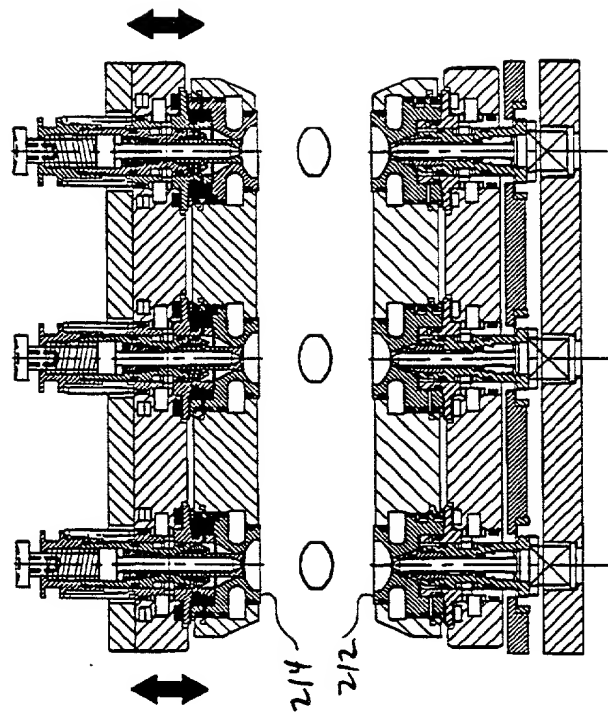


FIG. 26C

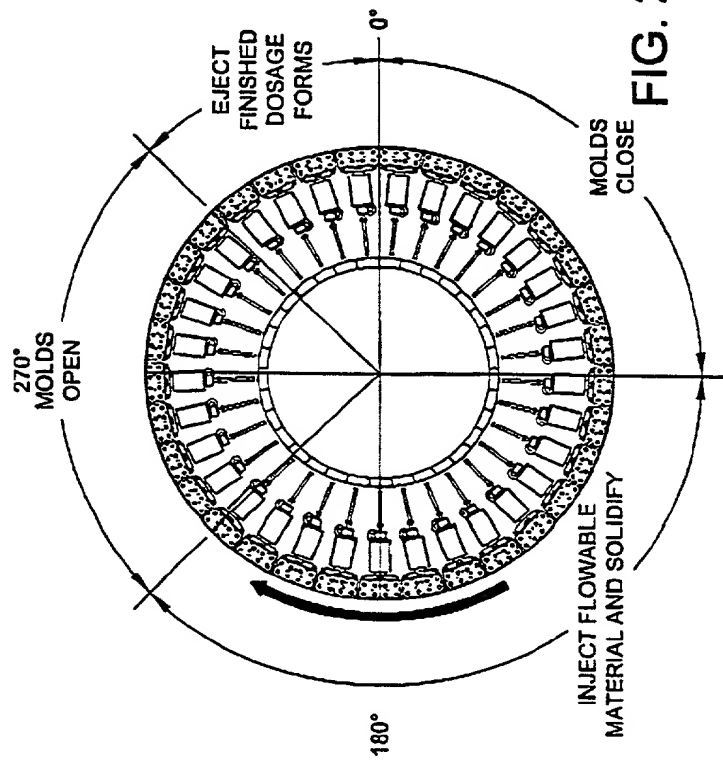


FIG. 26A

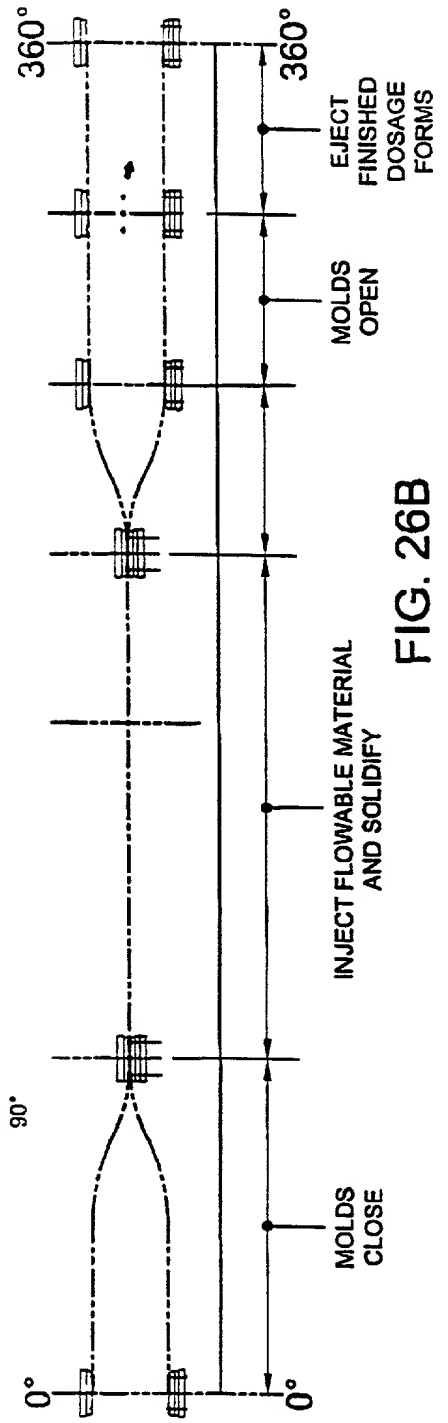


FIG. 26B

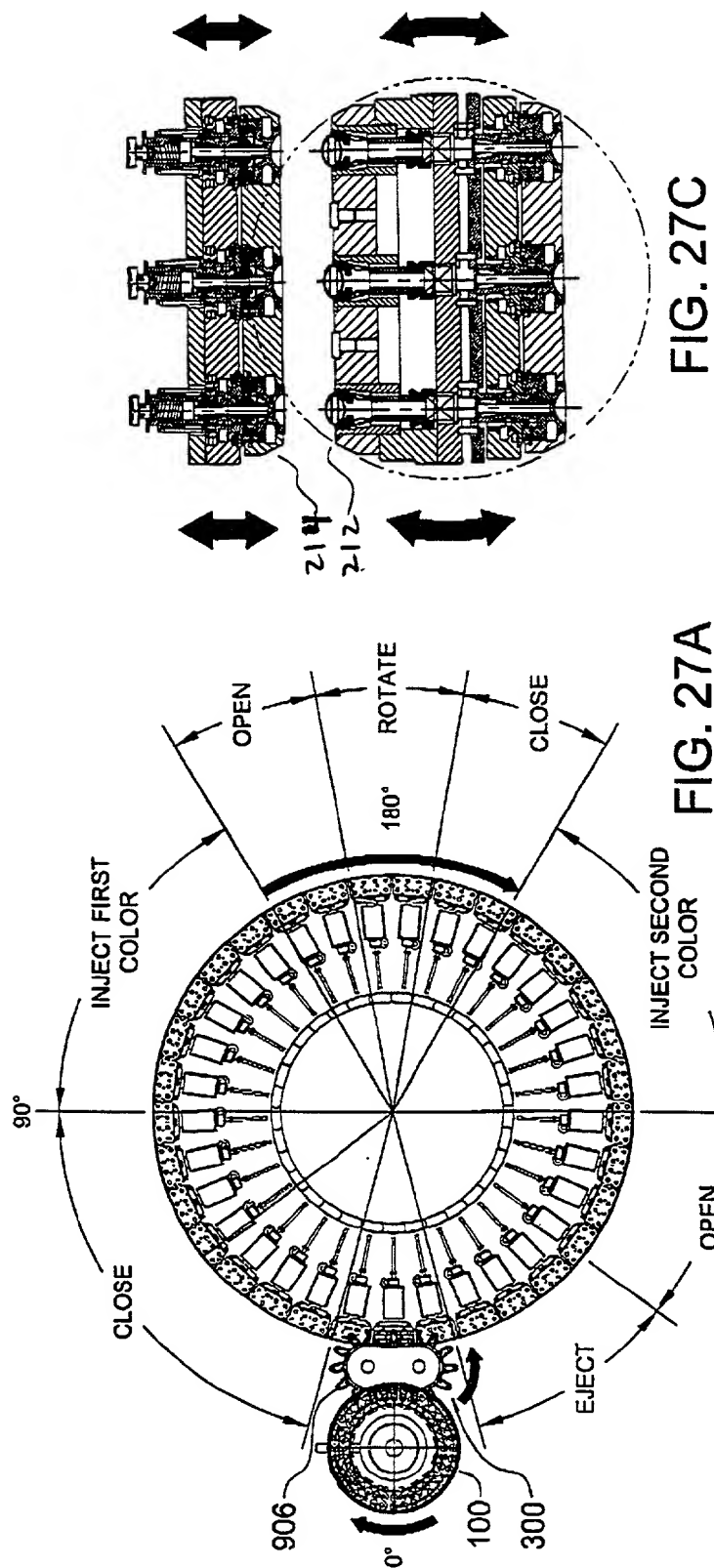


FIG. 27A

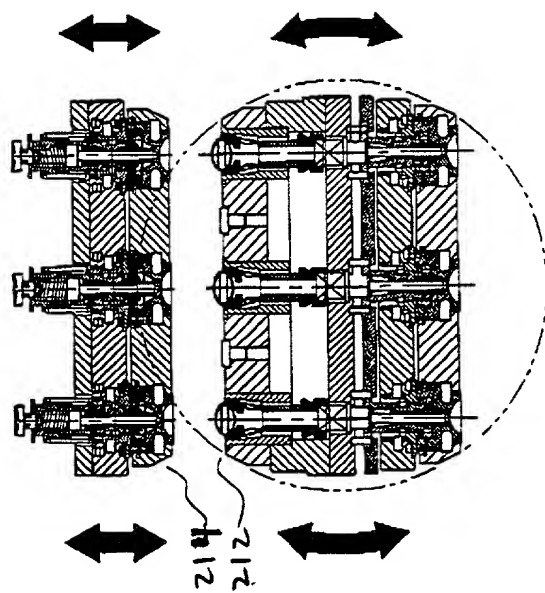


FIG. 27C

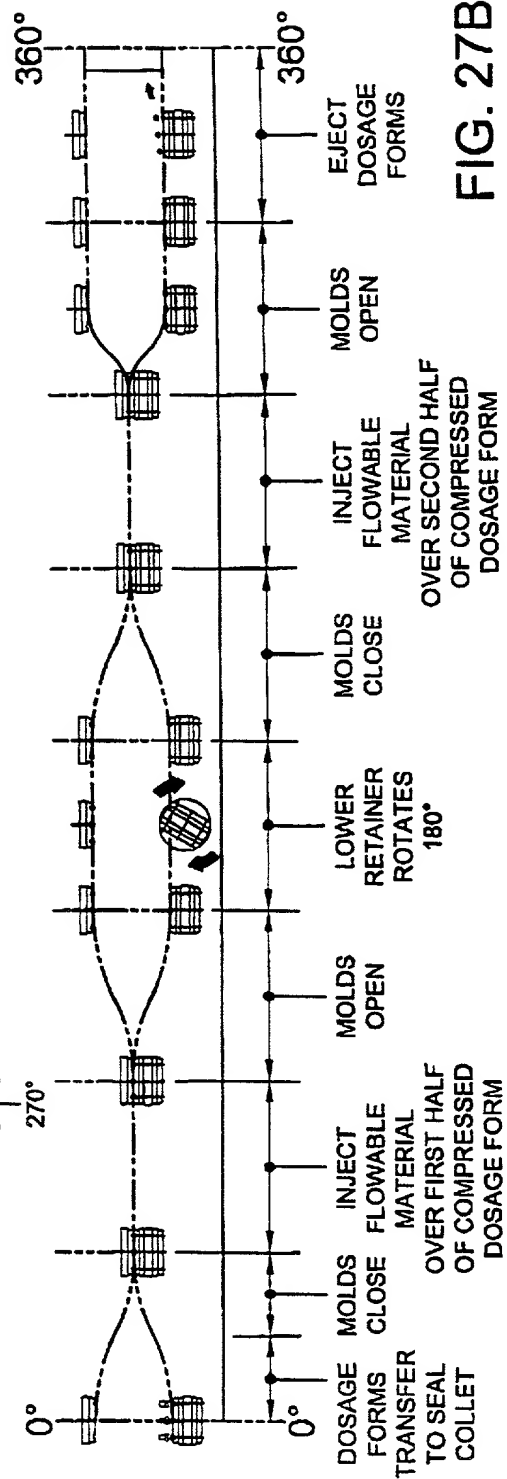


FIG. 27B

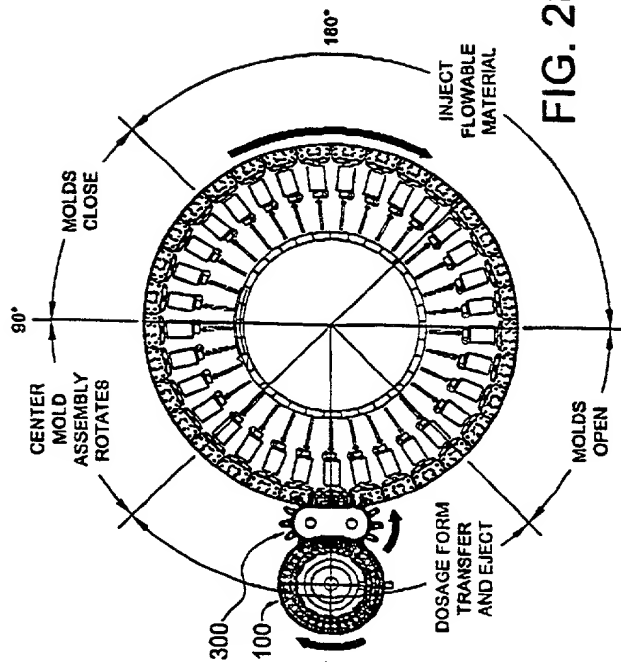


FIG. 28A

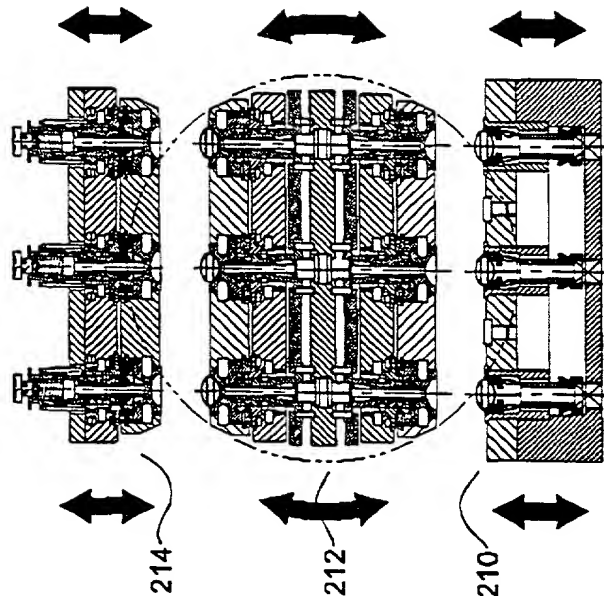


FIG. 28C (SECOND REVOLUTION) 0°/720°

(FIRST REVOLUTION) 360°

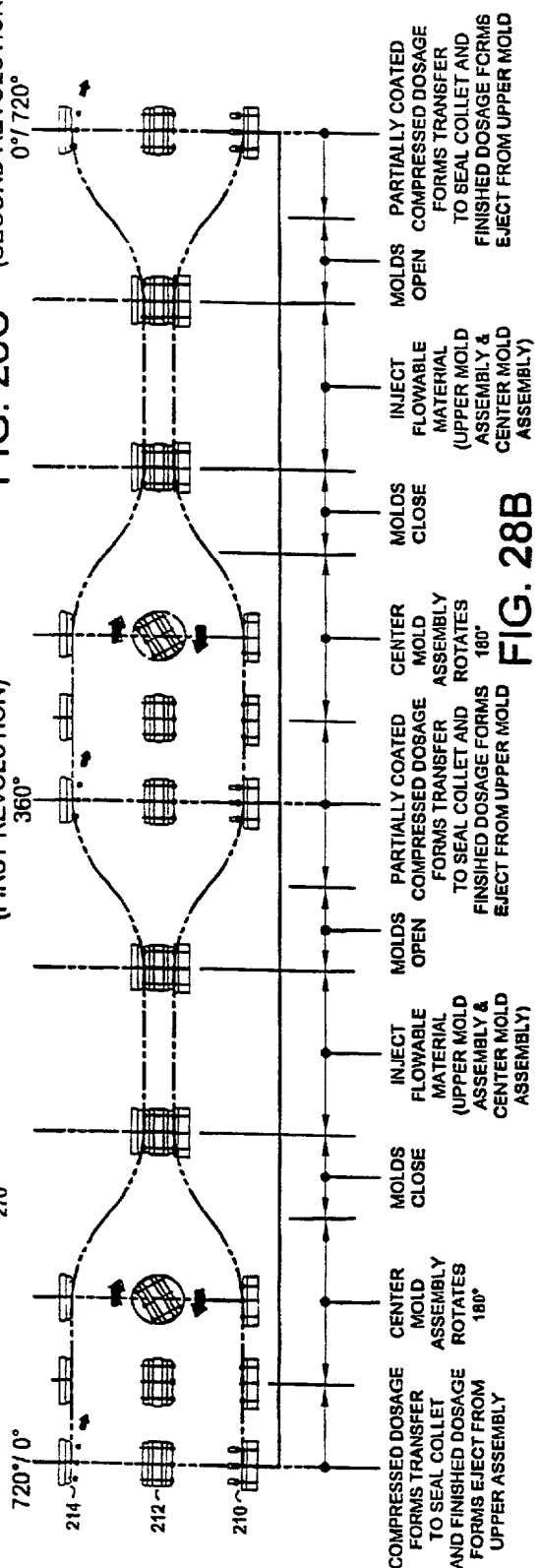


FIG. 28B

200

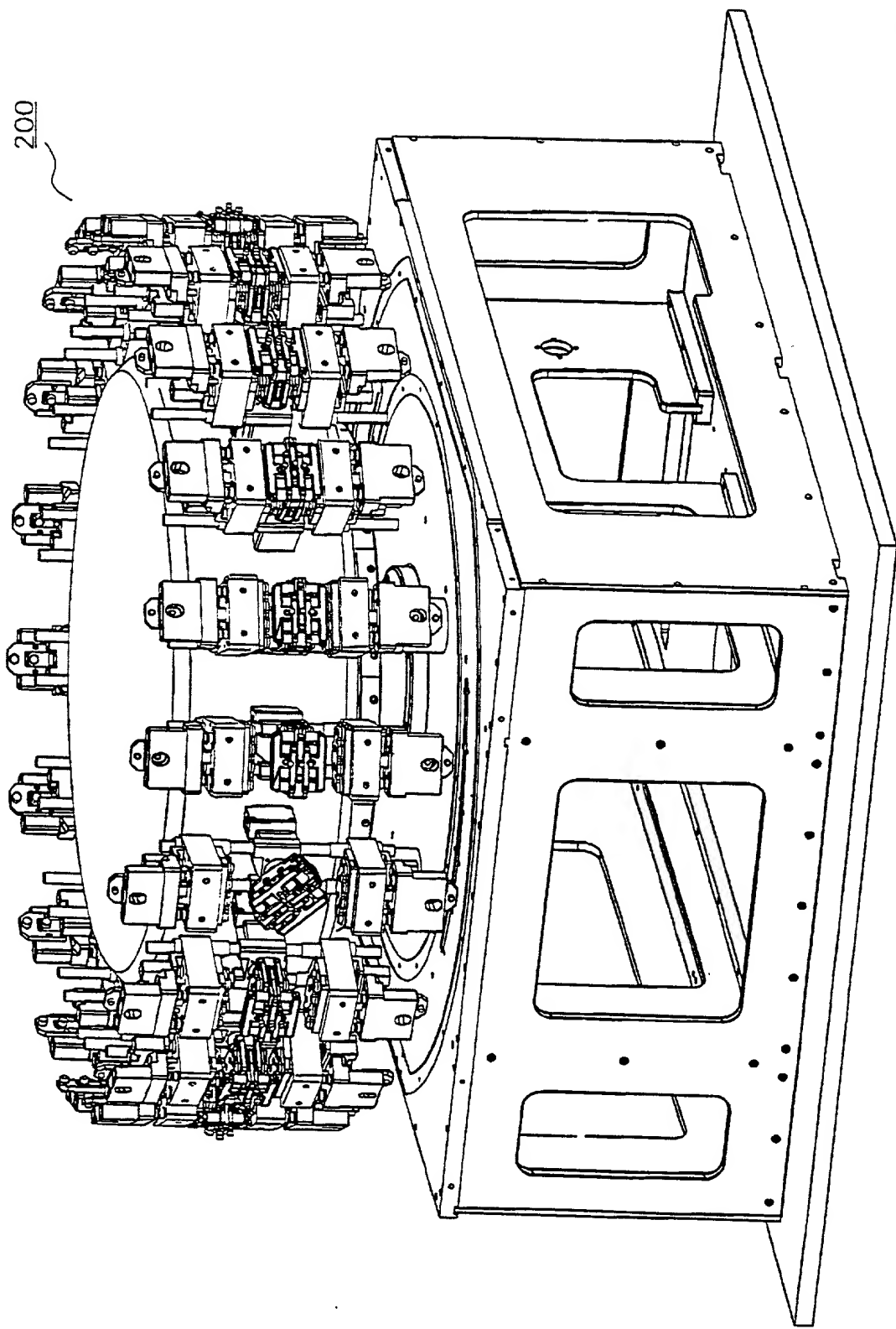


FIG. 29

Patented by the U.S. Patent and Trademark Office on 06/23/2010 at 11:03:00 AM

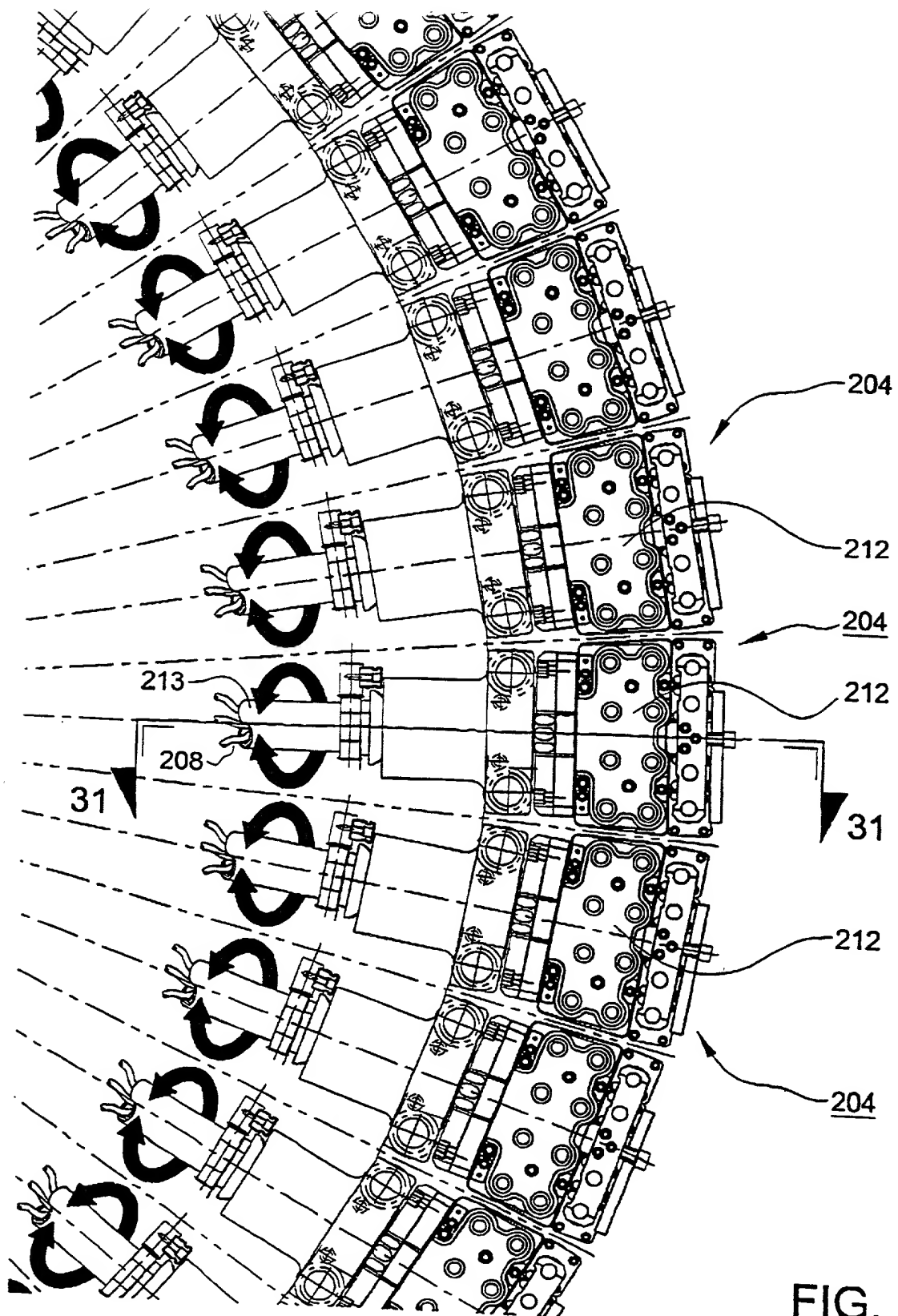


FIG. 30

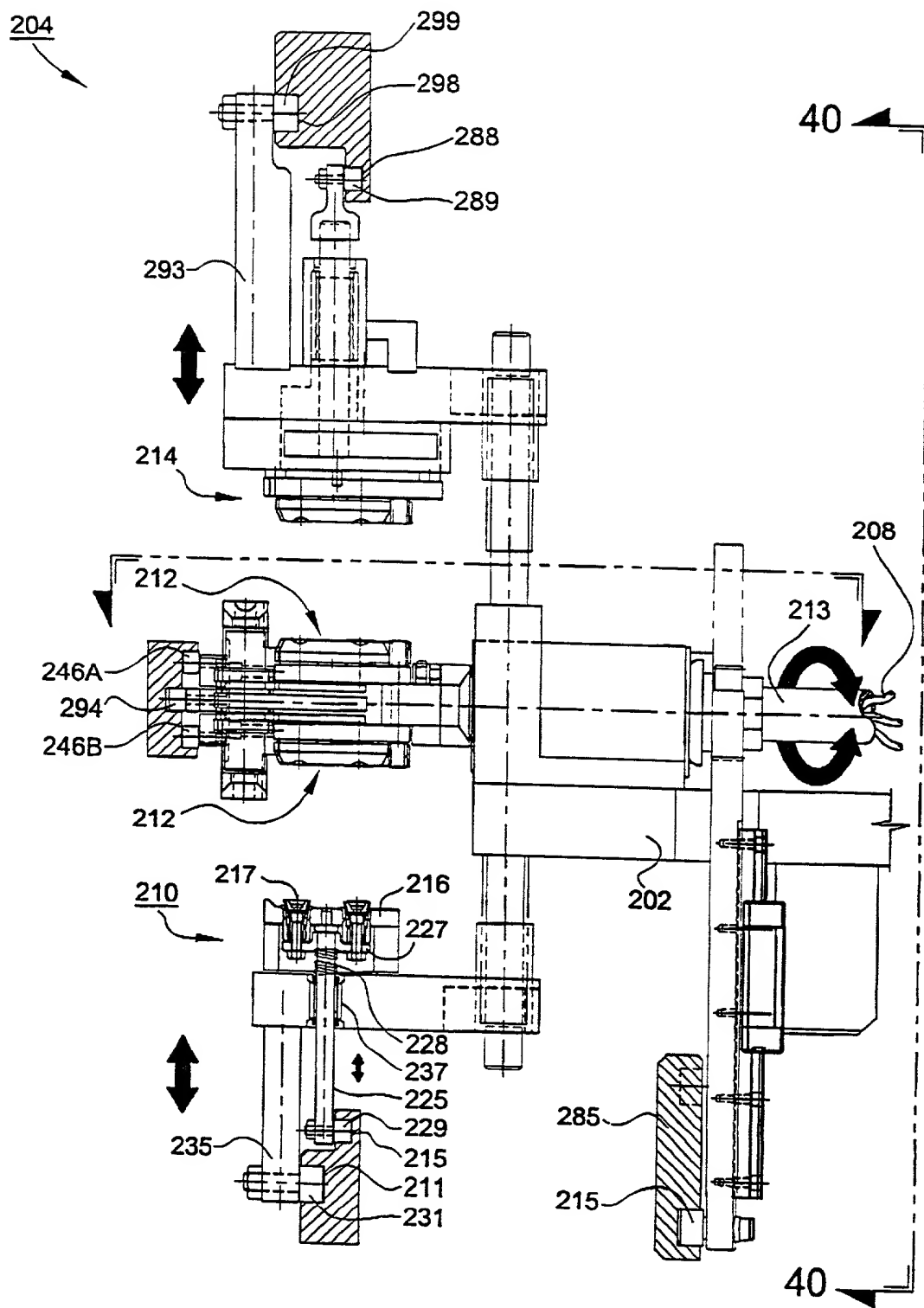


FIG. 31

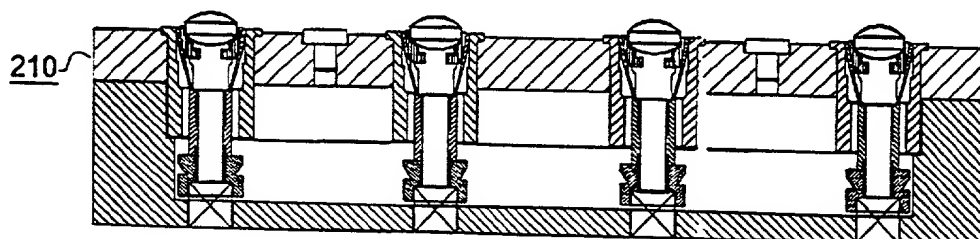
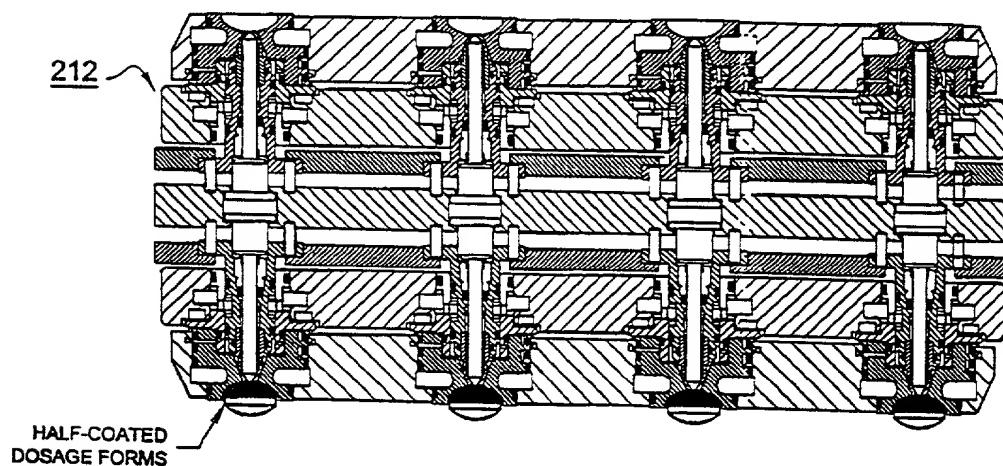
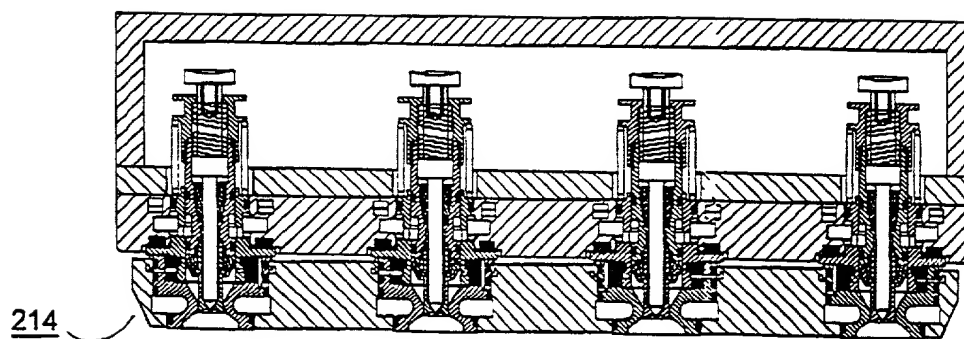


FIG. 32

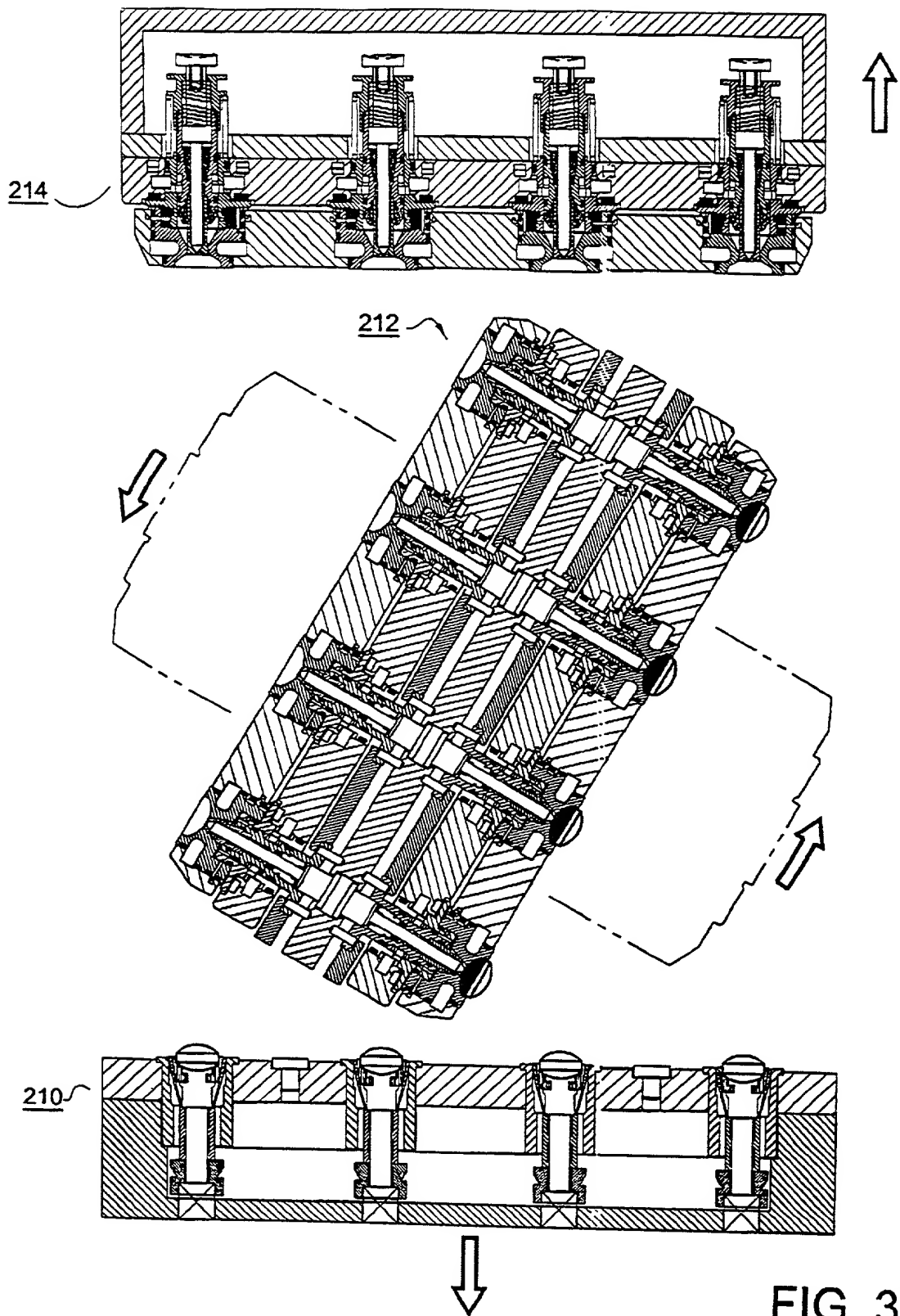


FIG. 33

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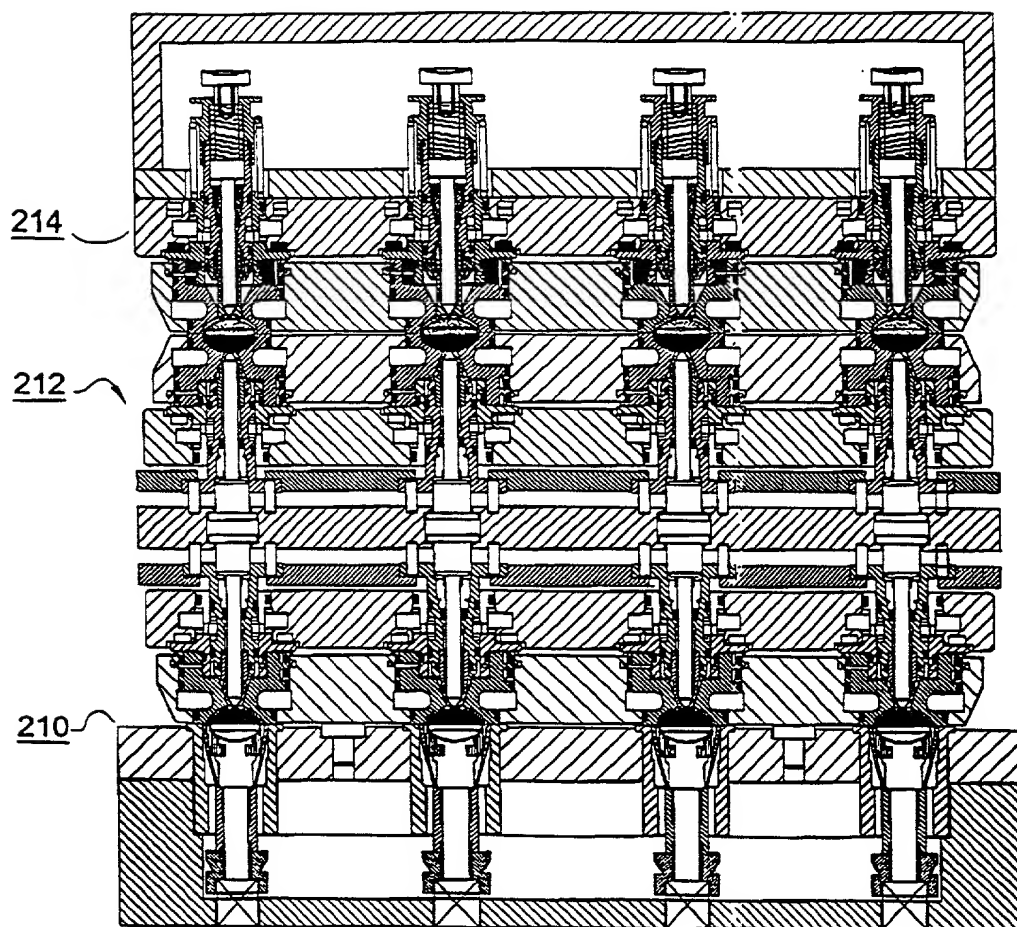


FIG. 34

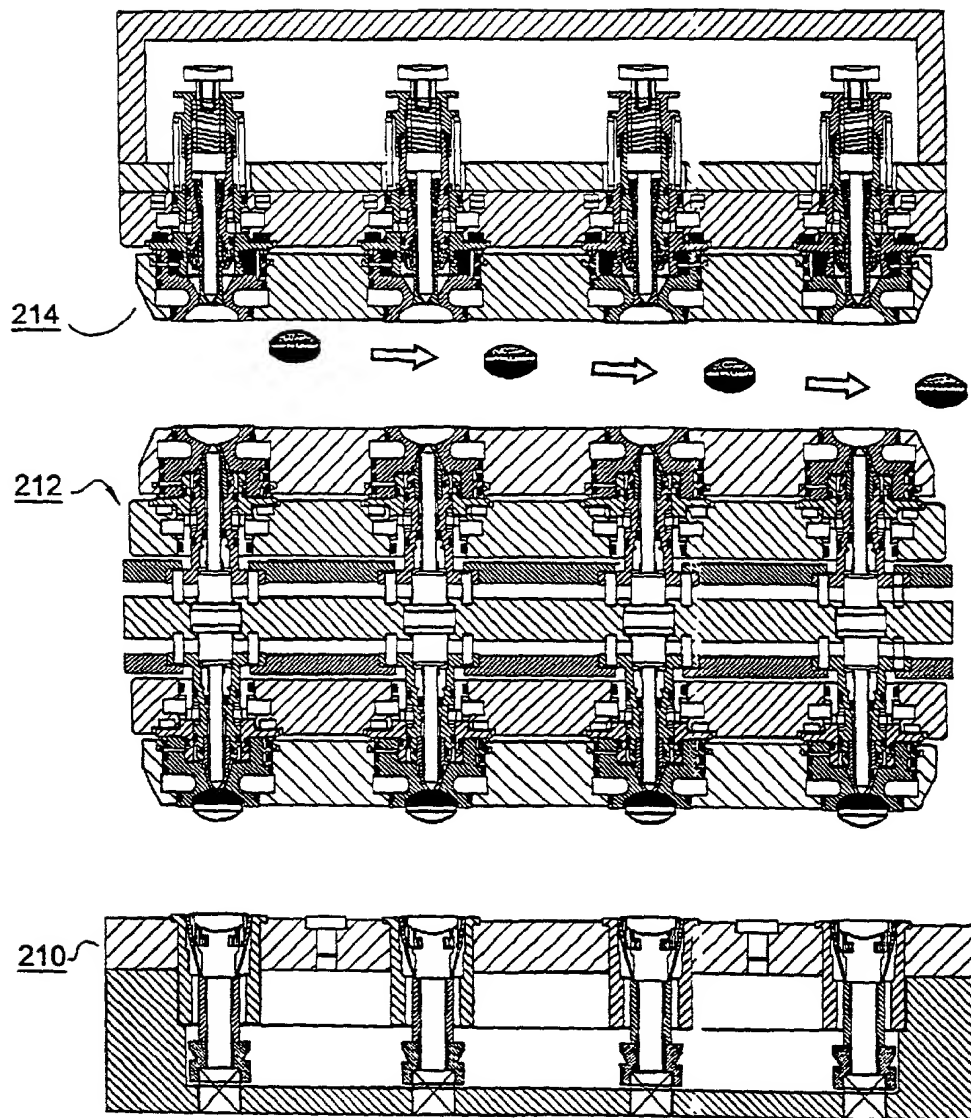
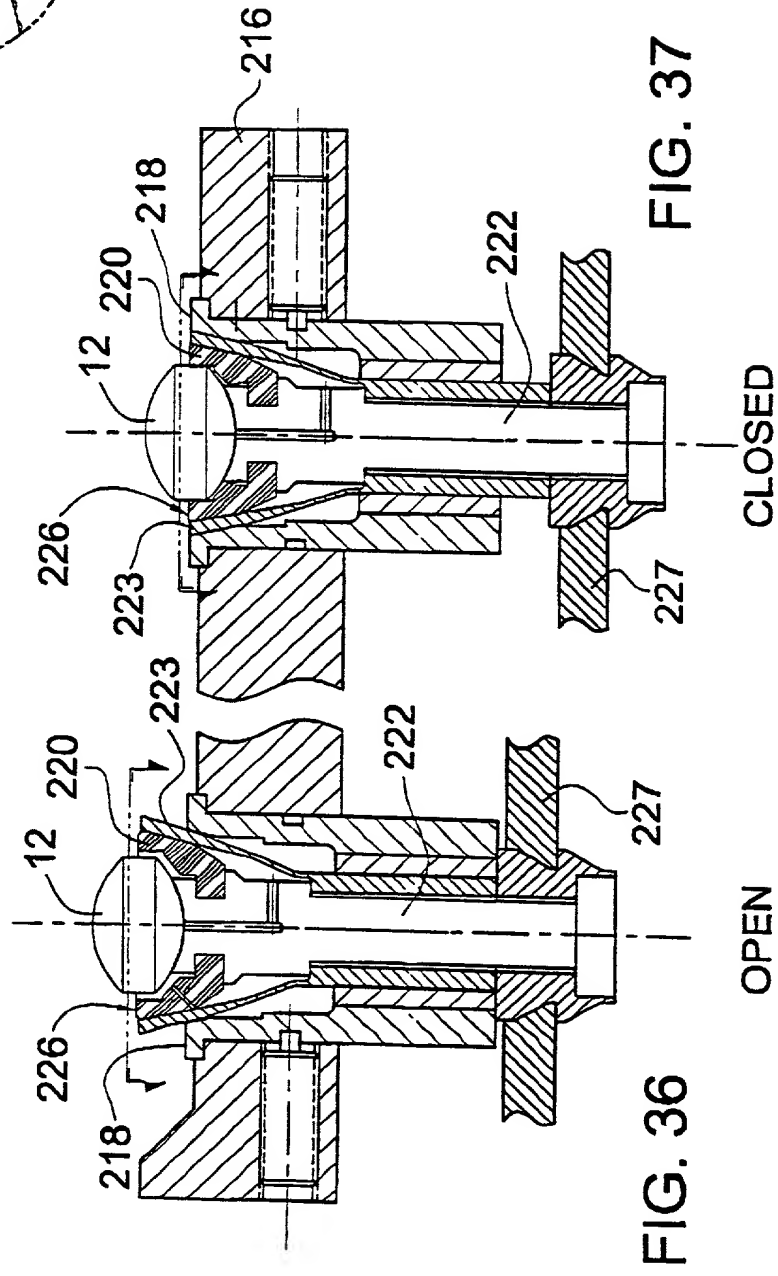
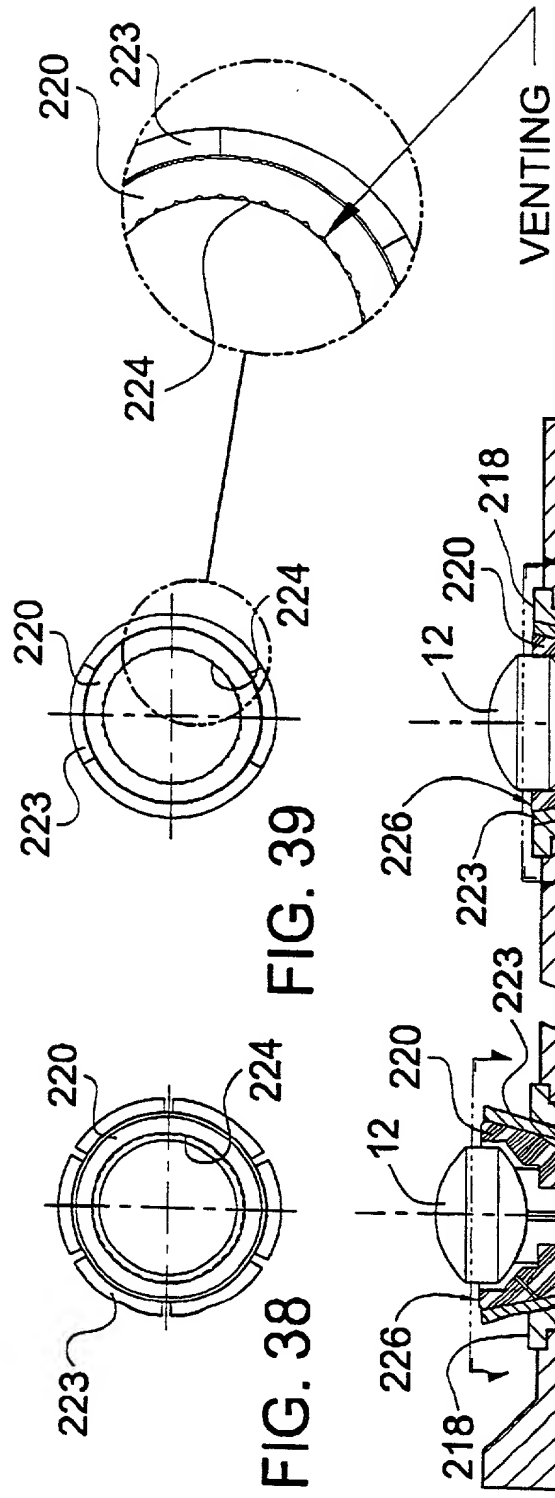


FIG. 35



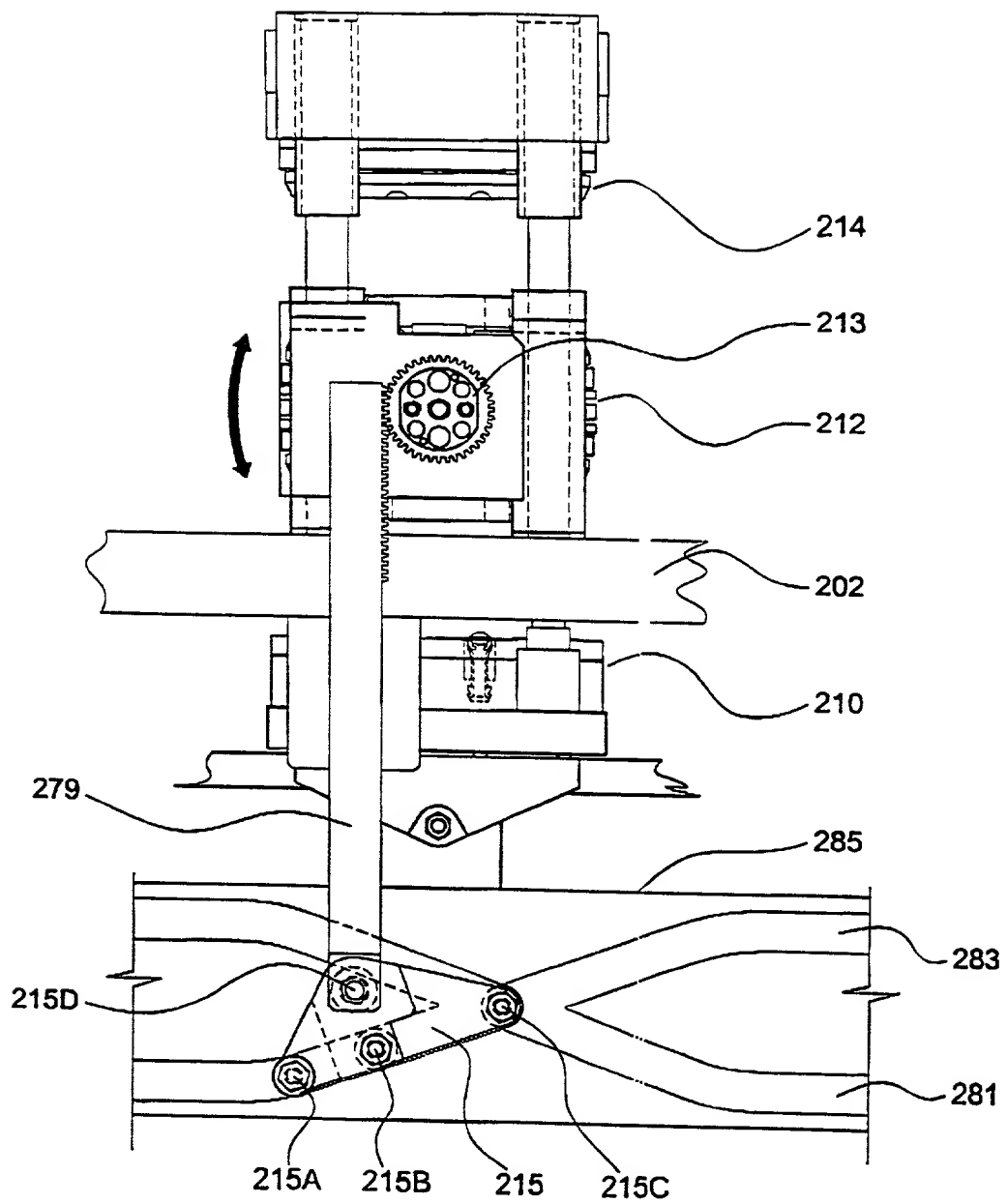


FIG. 40

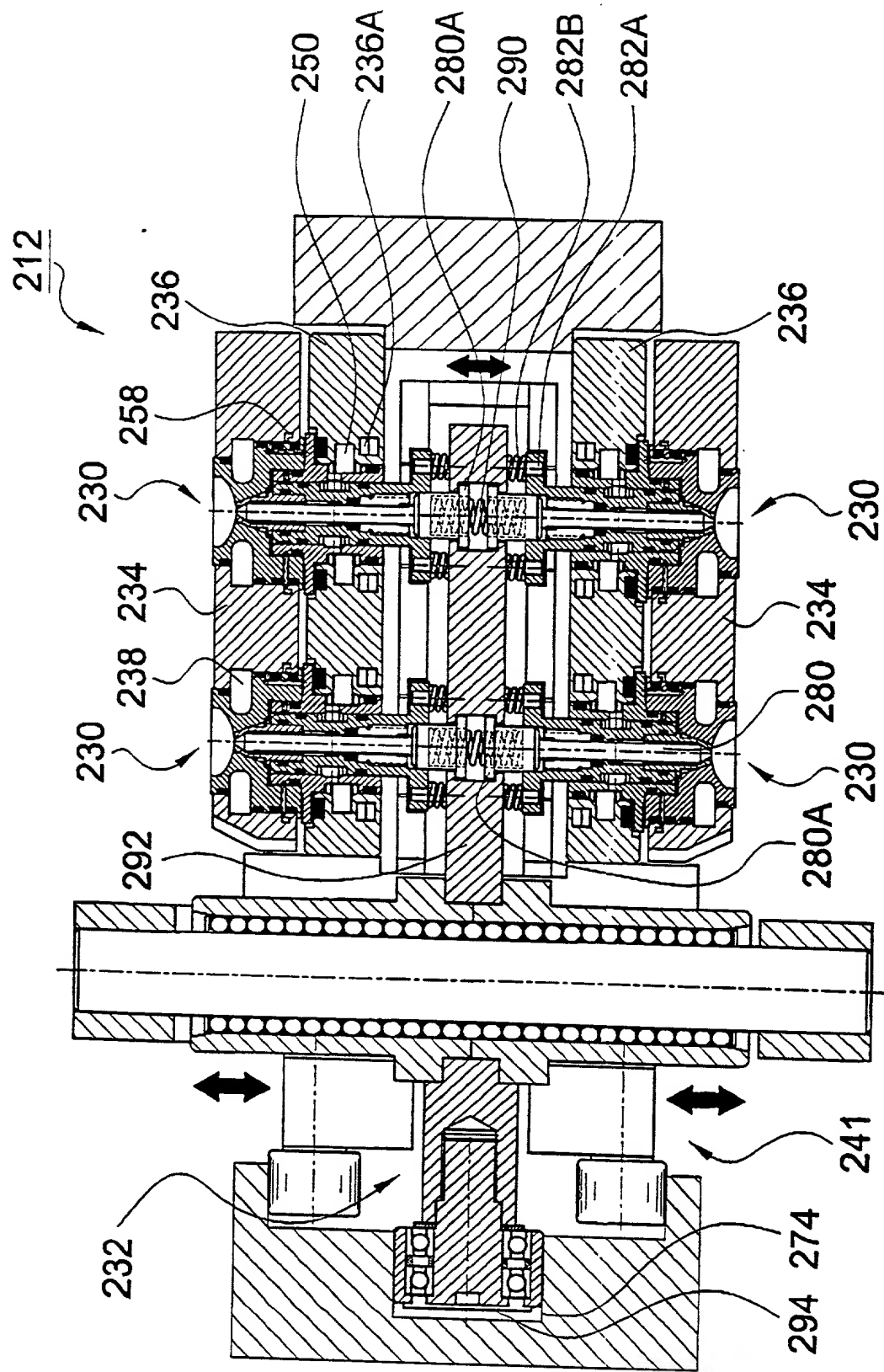


FIG. 41

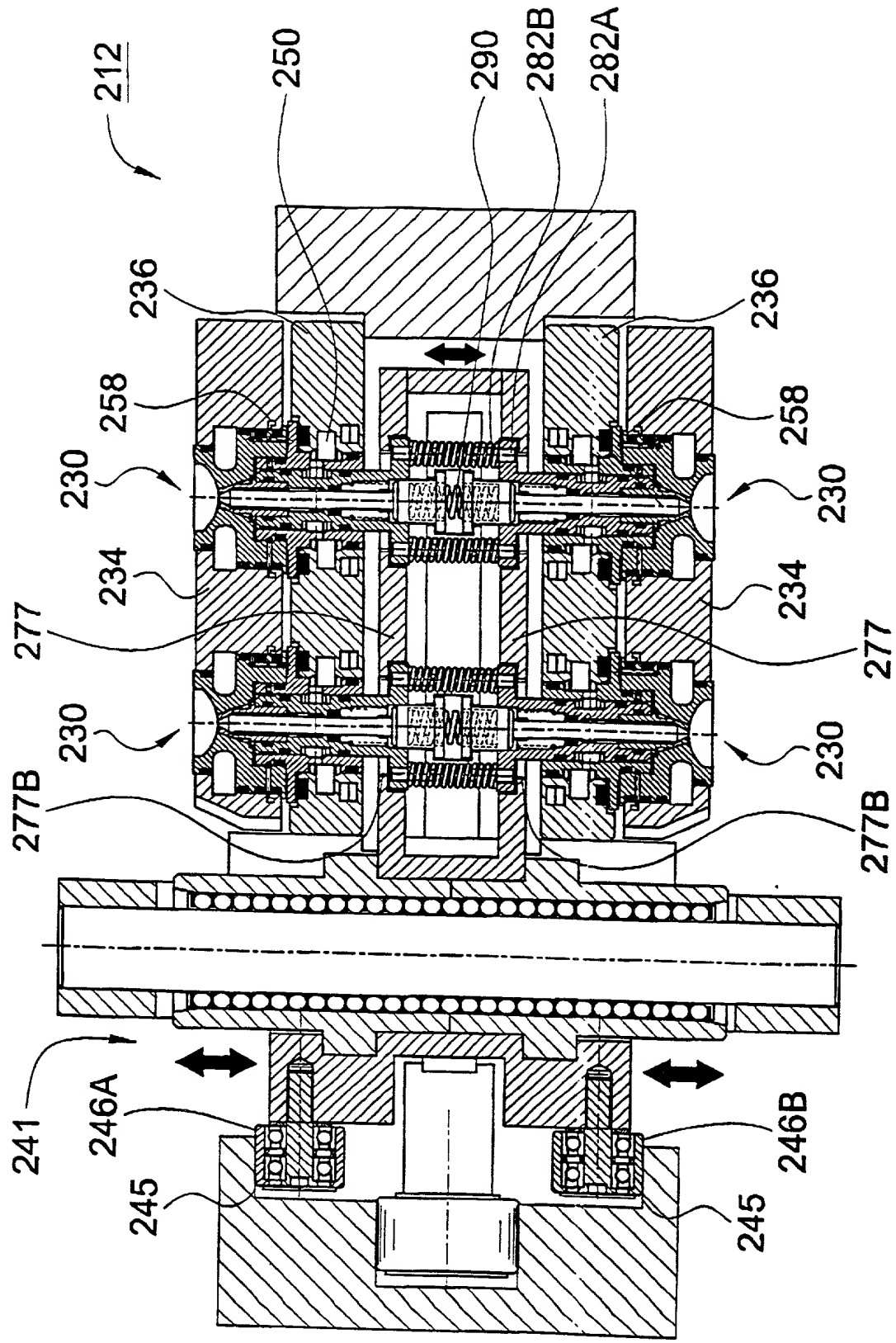


FIG. 42

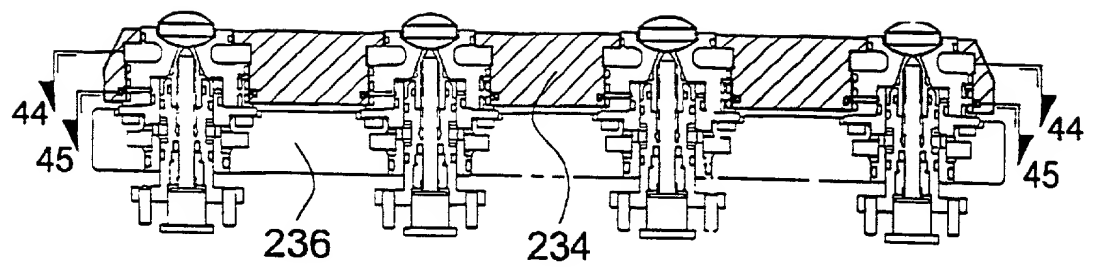


FIG. 43

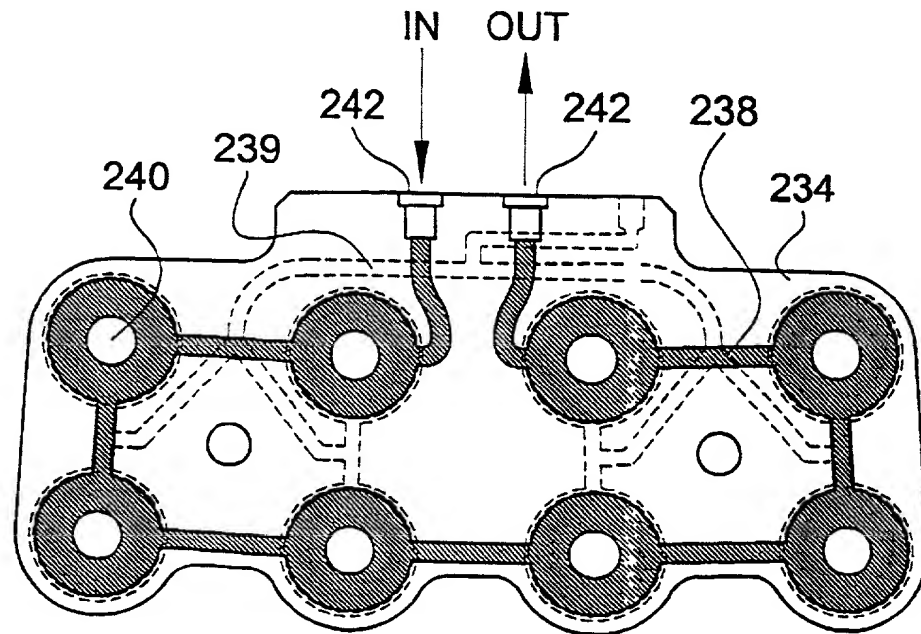


FIG. 44

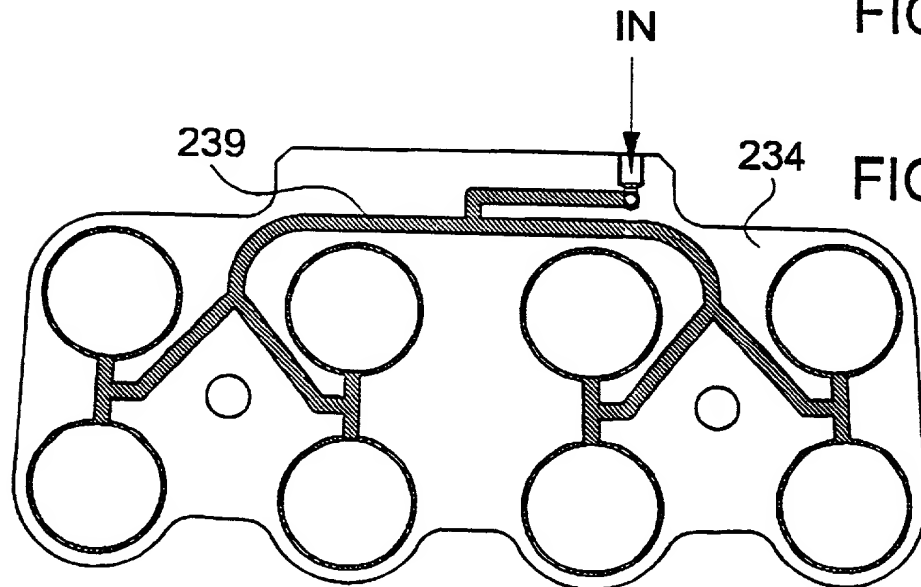


FIG. 45

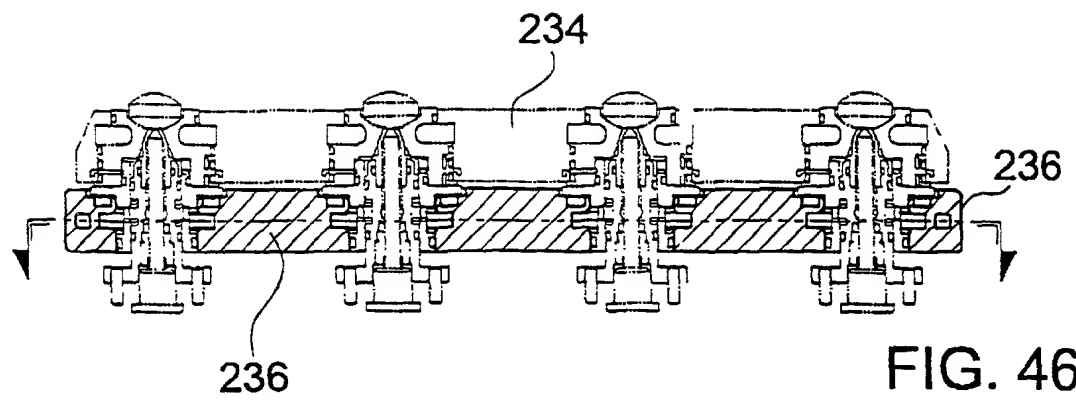


FIG. 46

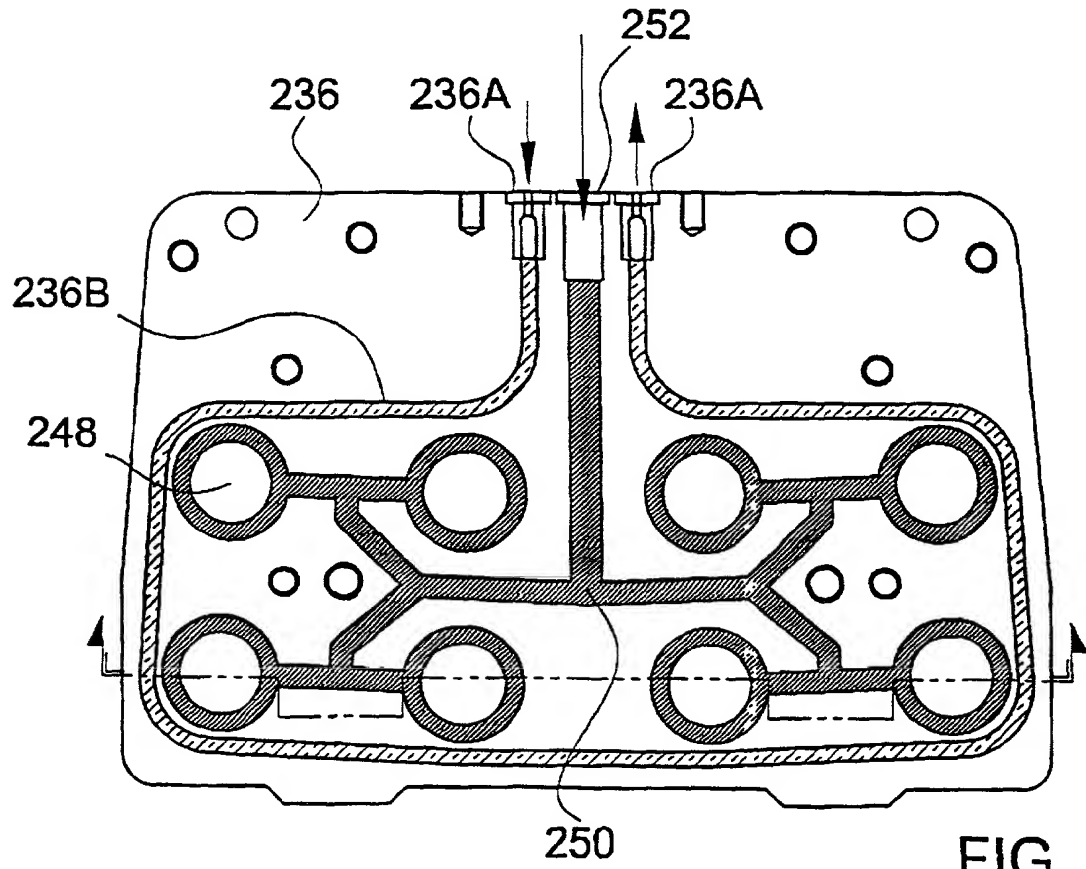


FIG. 47

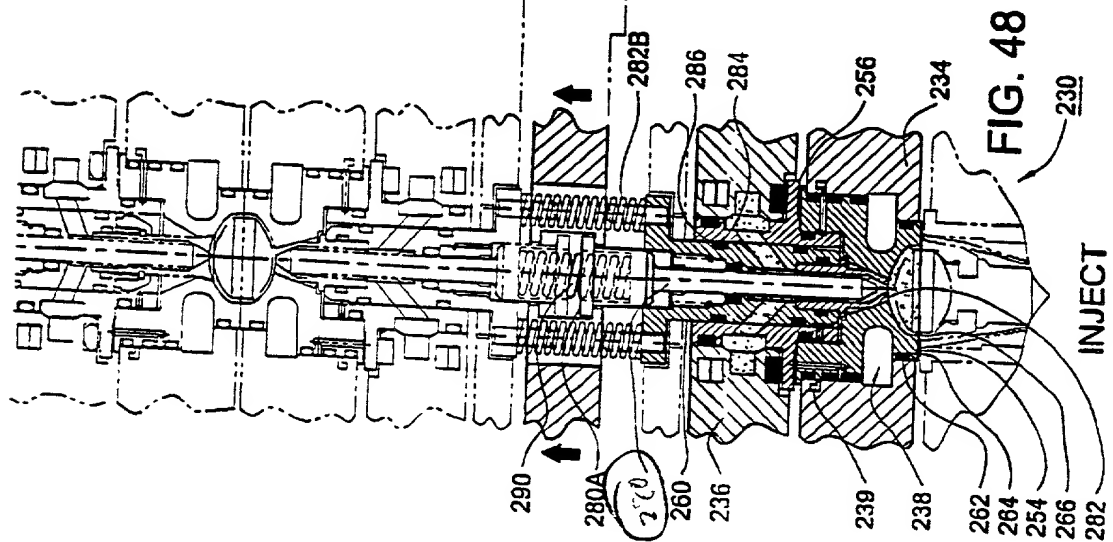


FIG. 48

INJECT

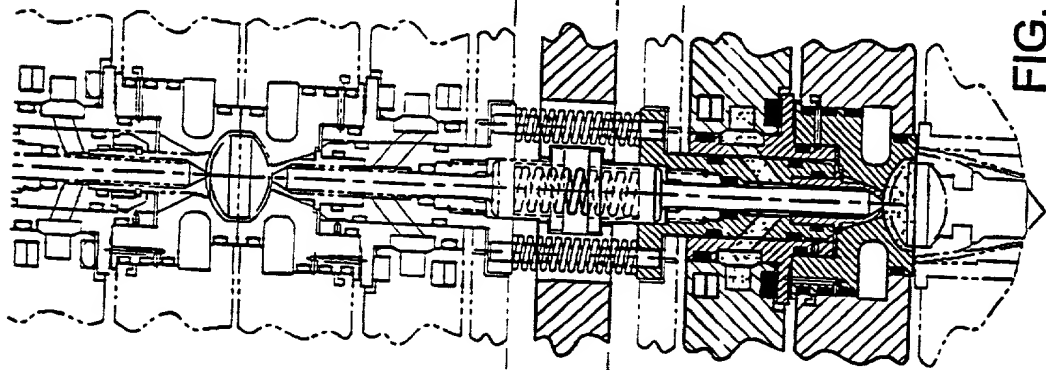


FIG. 49

CLOSED

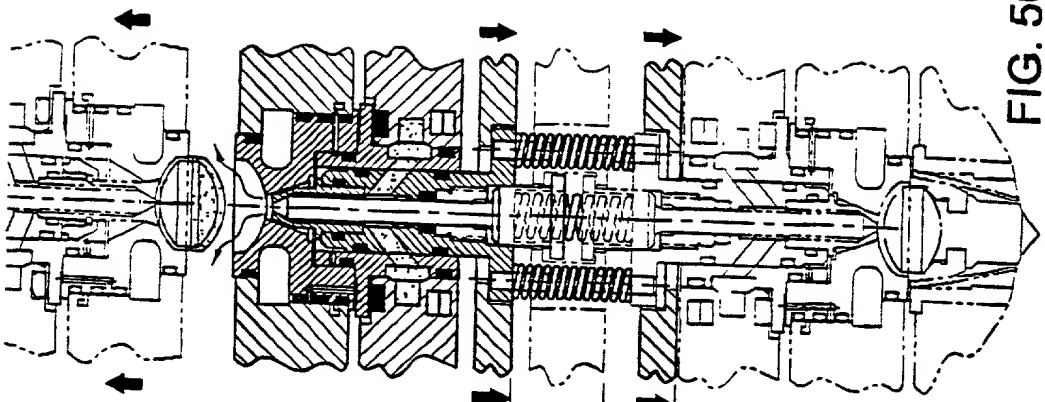


FIG. 50

TRANSFER

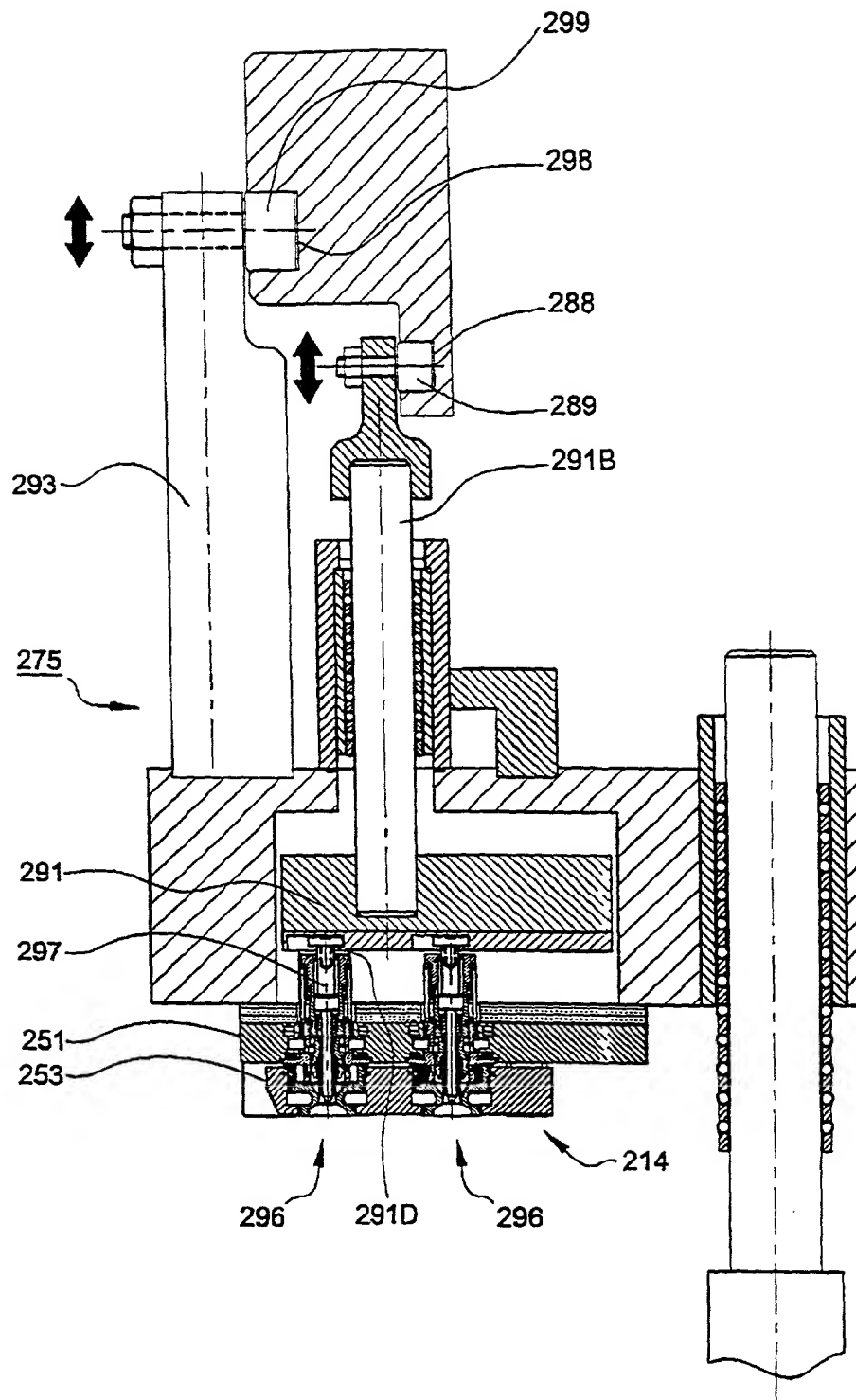


FIG. 51

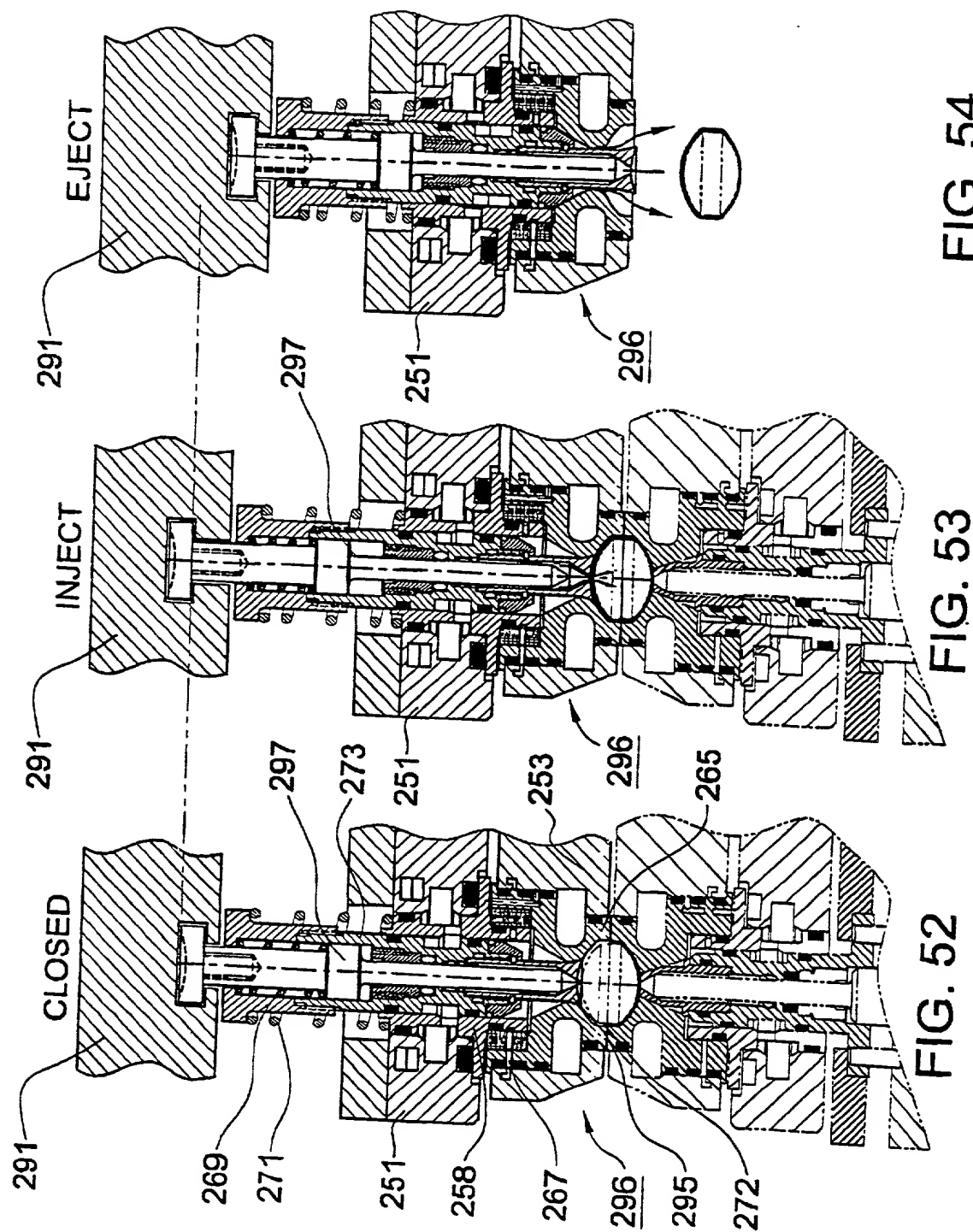


FIG. 53

FIG. 52

FIG. 54

FIG. 55

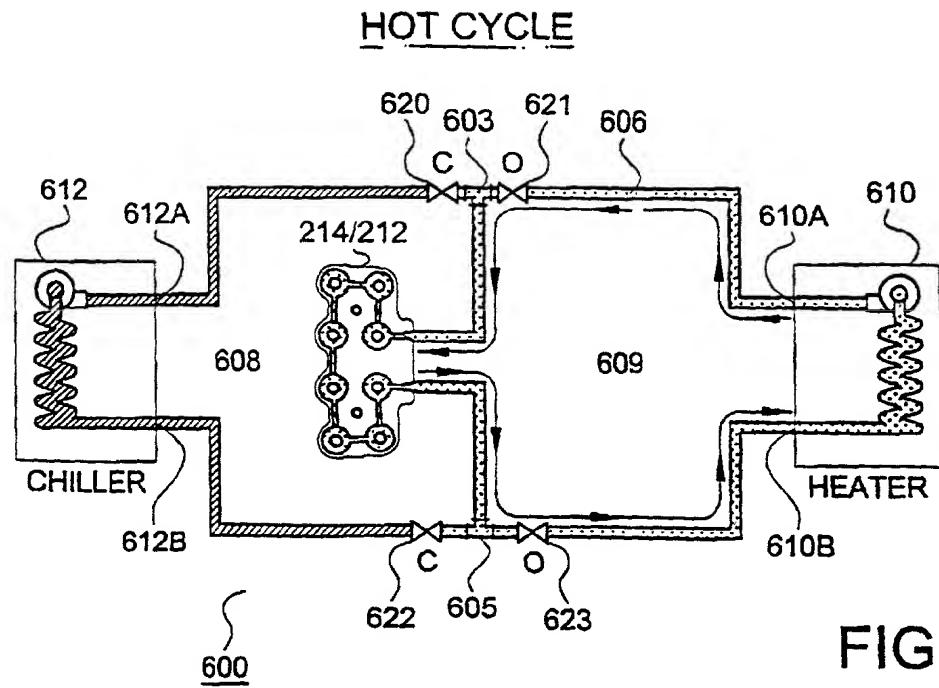
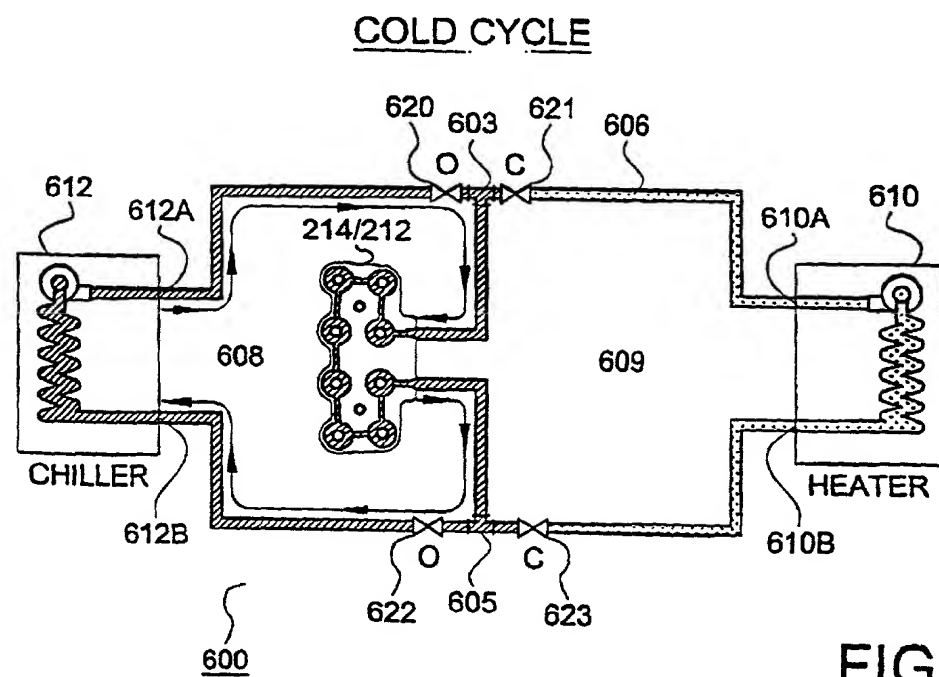


FIG. 55



O= VALVE OPEN
C= VALVE CLOSED

FIG. 56

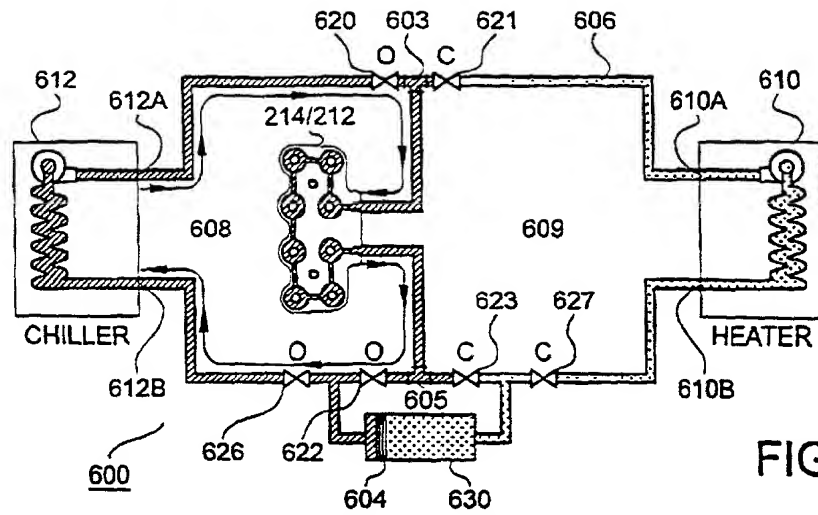


FIG. 57

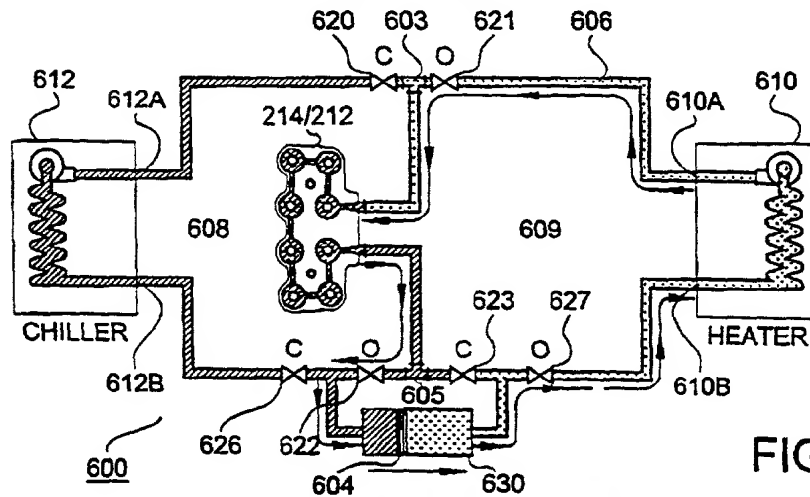


FIG. 58

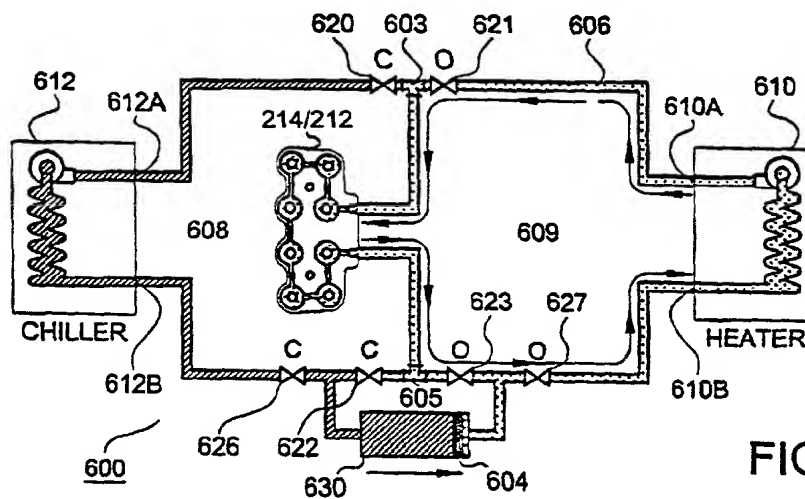
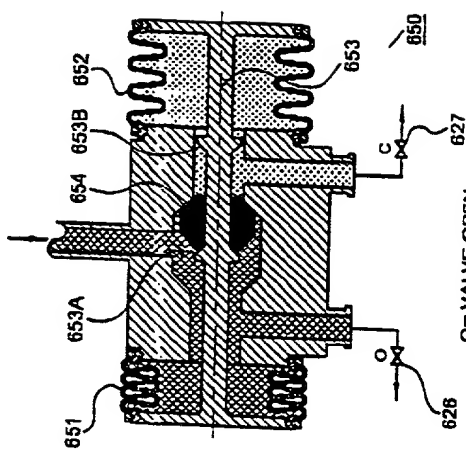
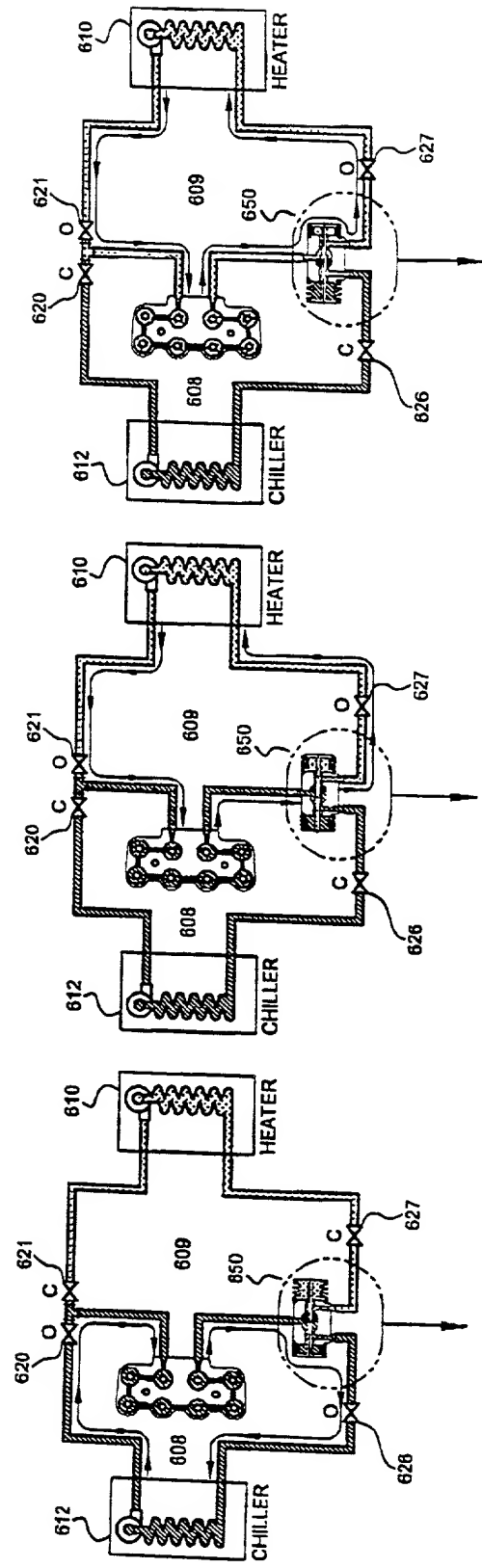
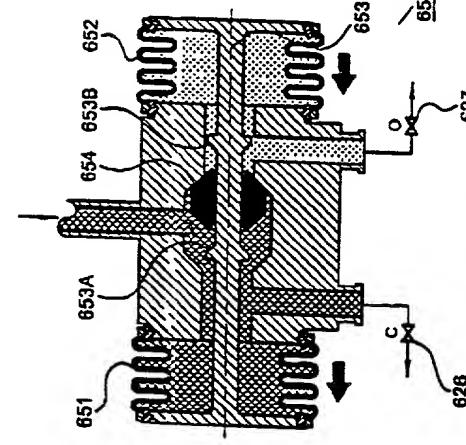


FIG. 59

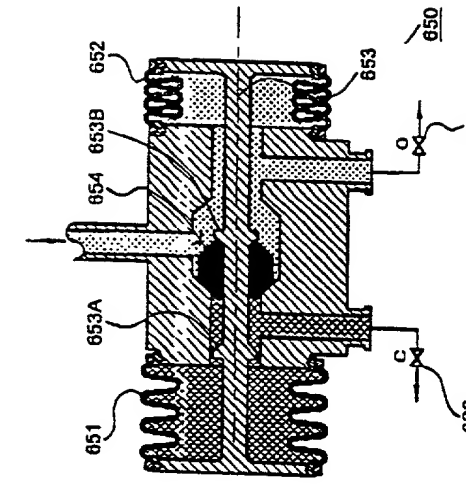
O= VALVE OPEN
C= VALVE CLOSED



O= VALVE OPEN
C= VALVE CLOSED
FIG. 60



O= VALVE OPEN
C= VALVE CLOSED
FIG. 61



O= VALVE OPEN
C= VALVE CLOSED
FIG. 62

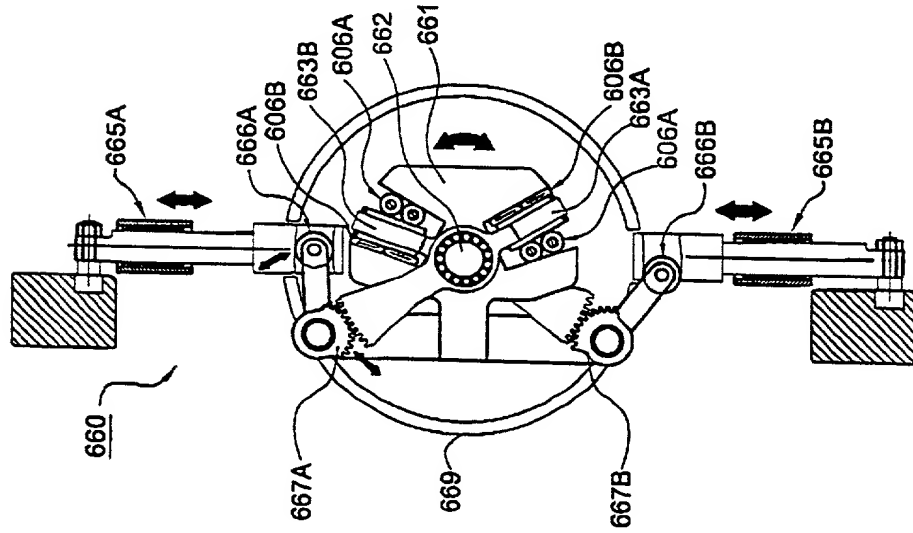


FIG. 63

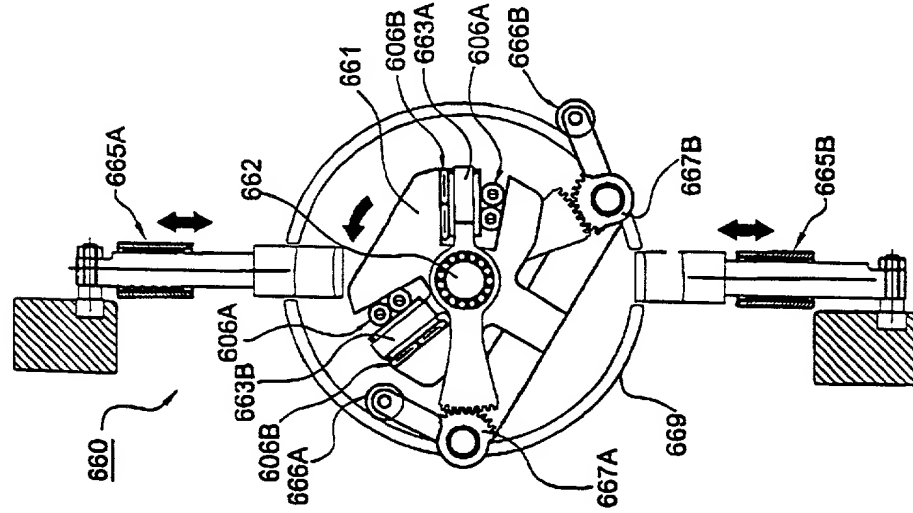


FIG. 64

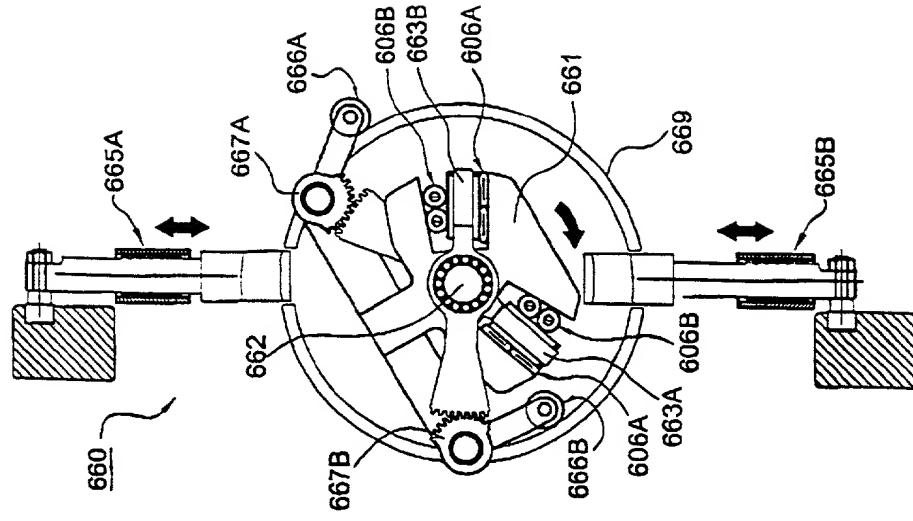


FIG. 65

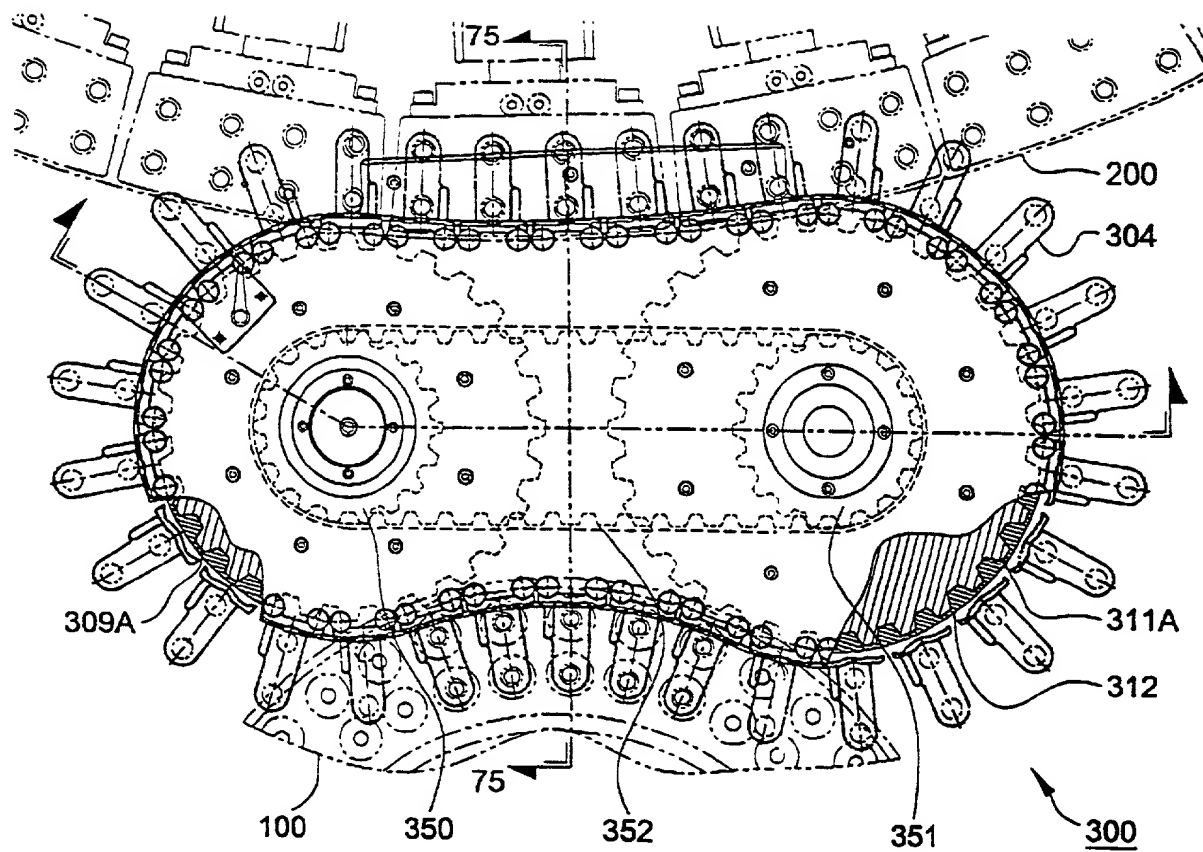


FIG. 68

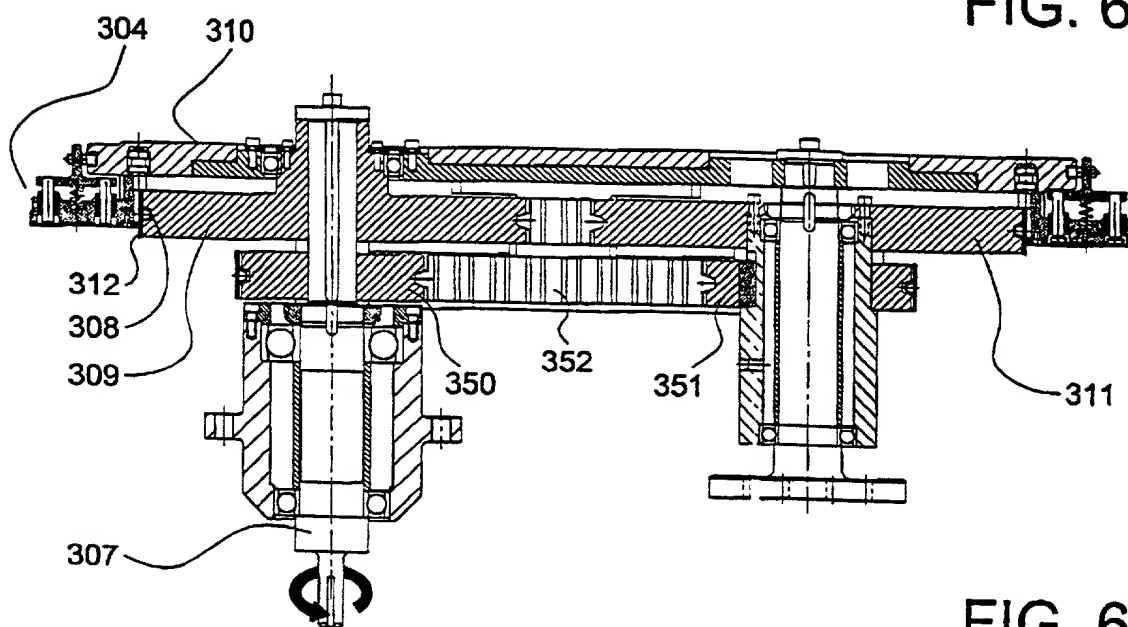


FIG. 69

FIG. 68

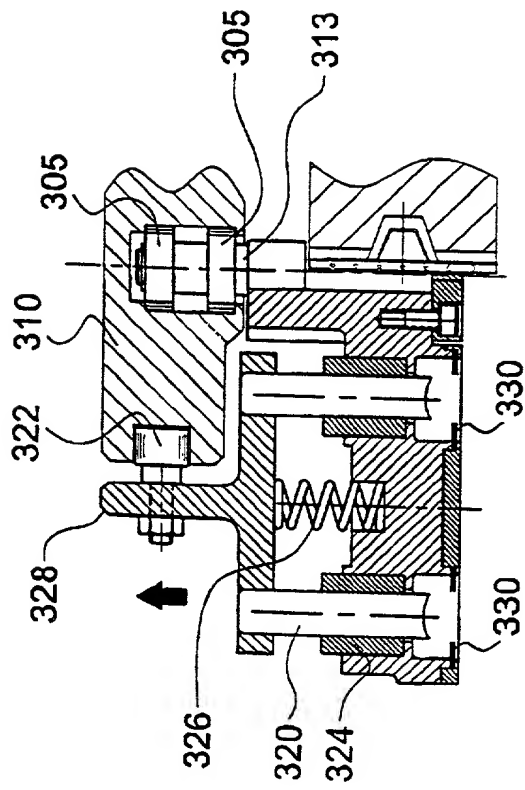


FIG. 70

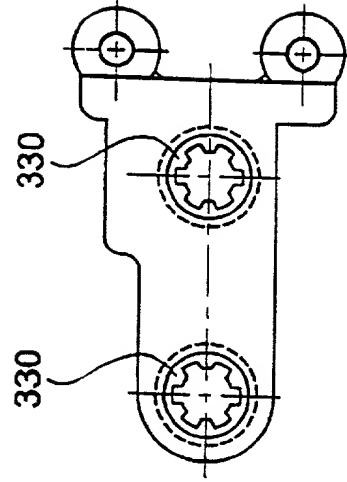


FIG. 71

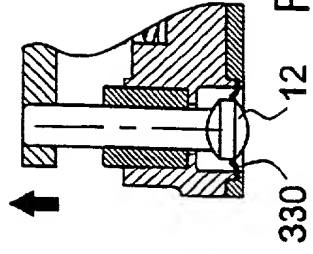


FIG. 72

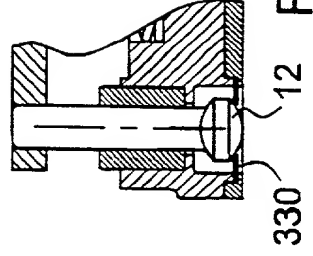


FIG. 73

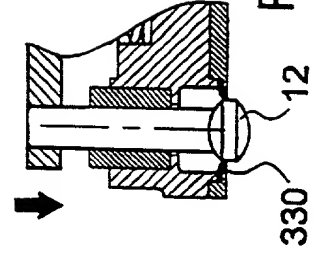


FIG. 74

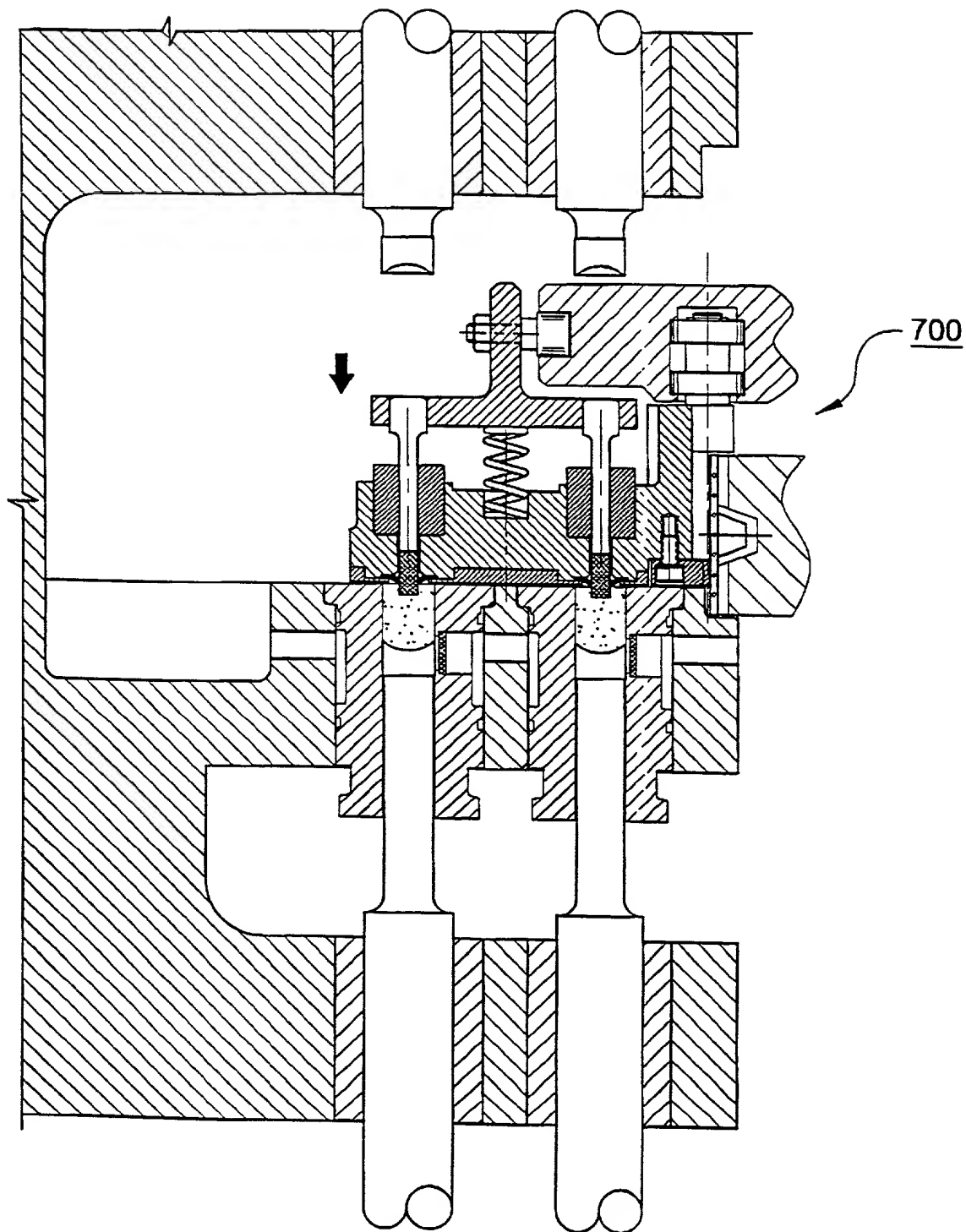


FIG. 76

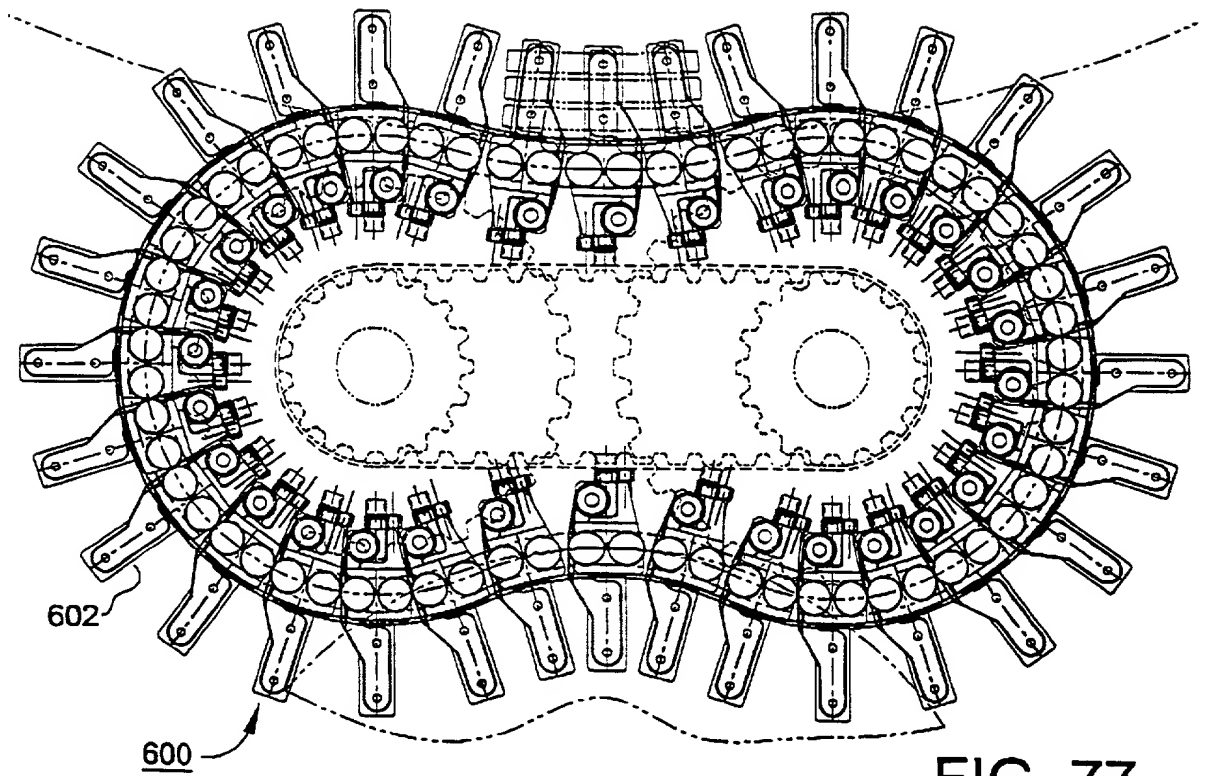


FIG. 77

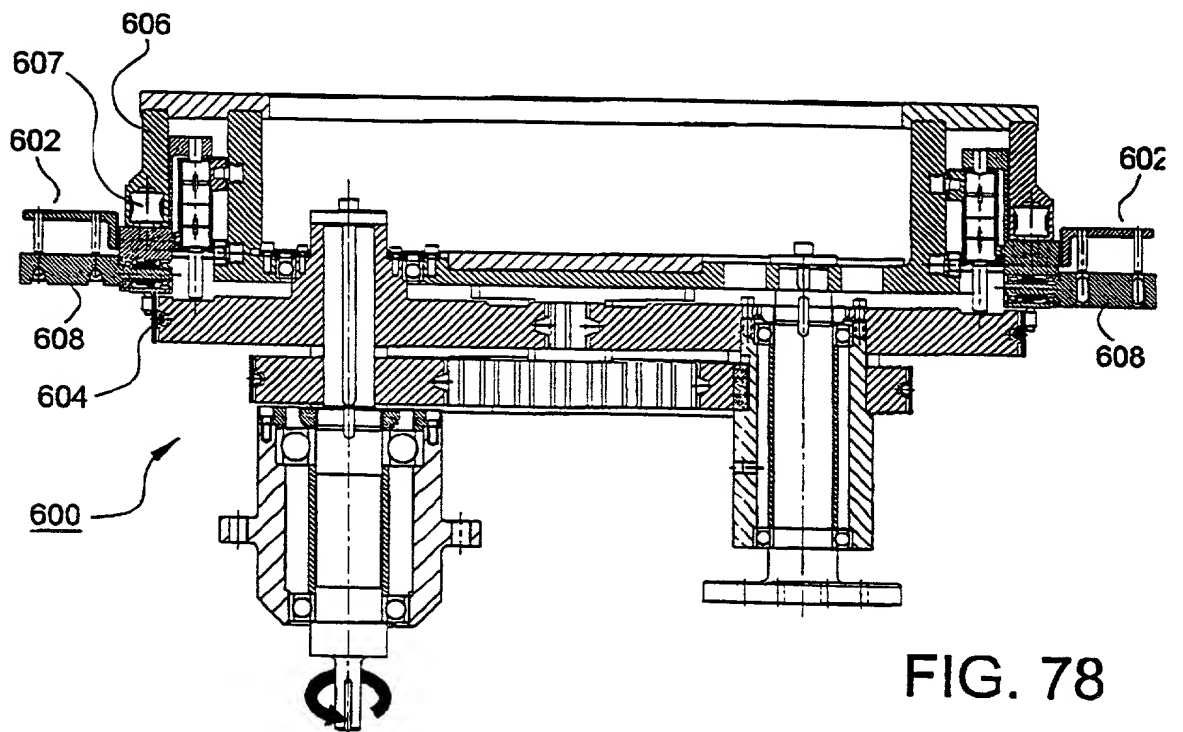


FIG. 78

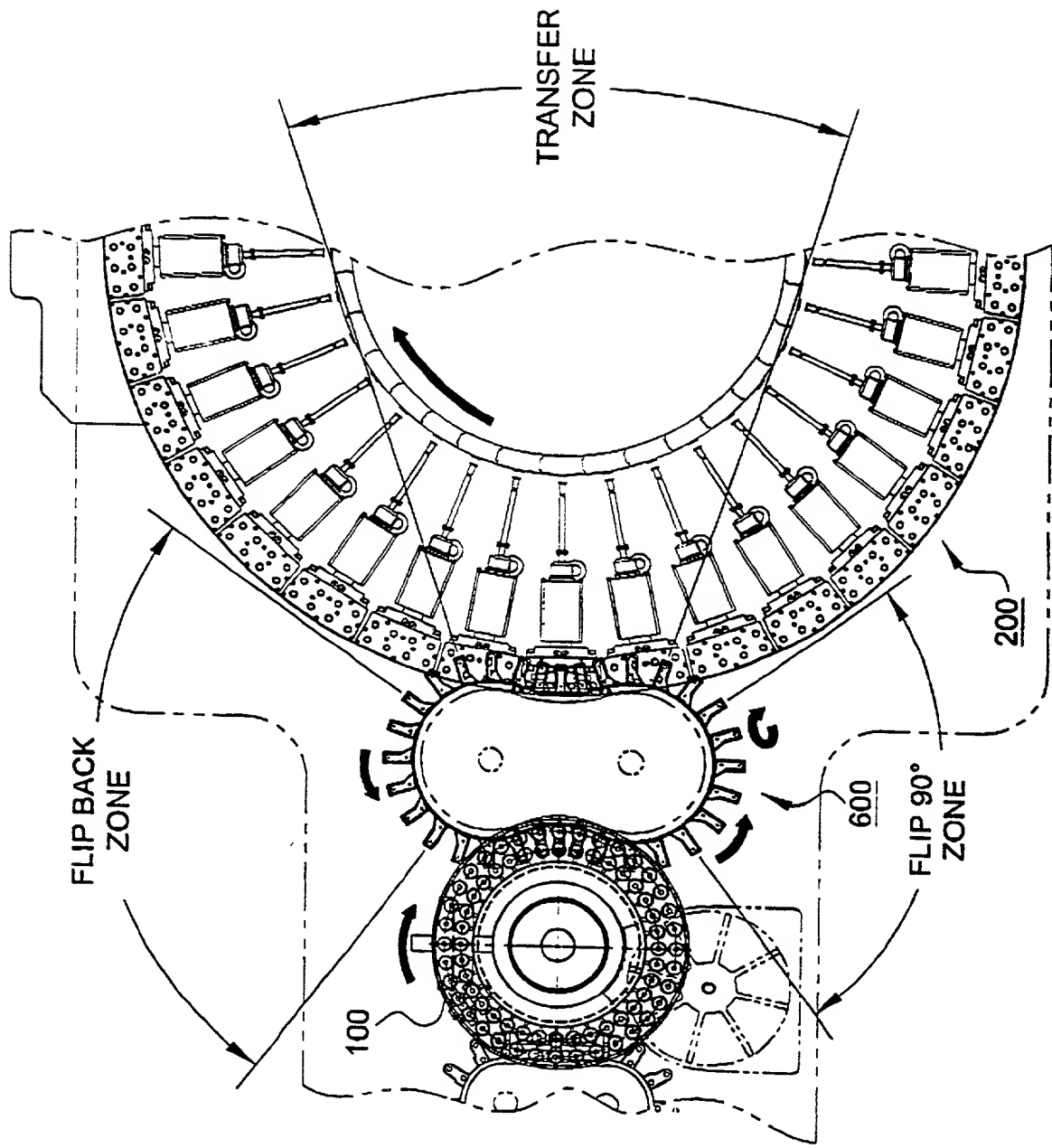


FIG. 79

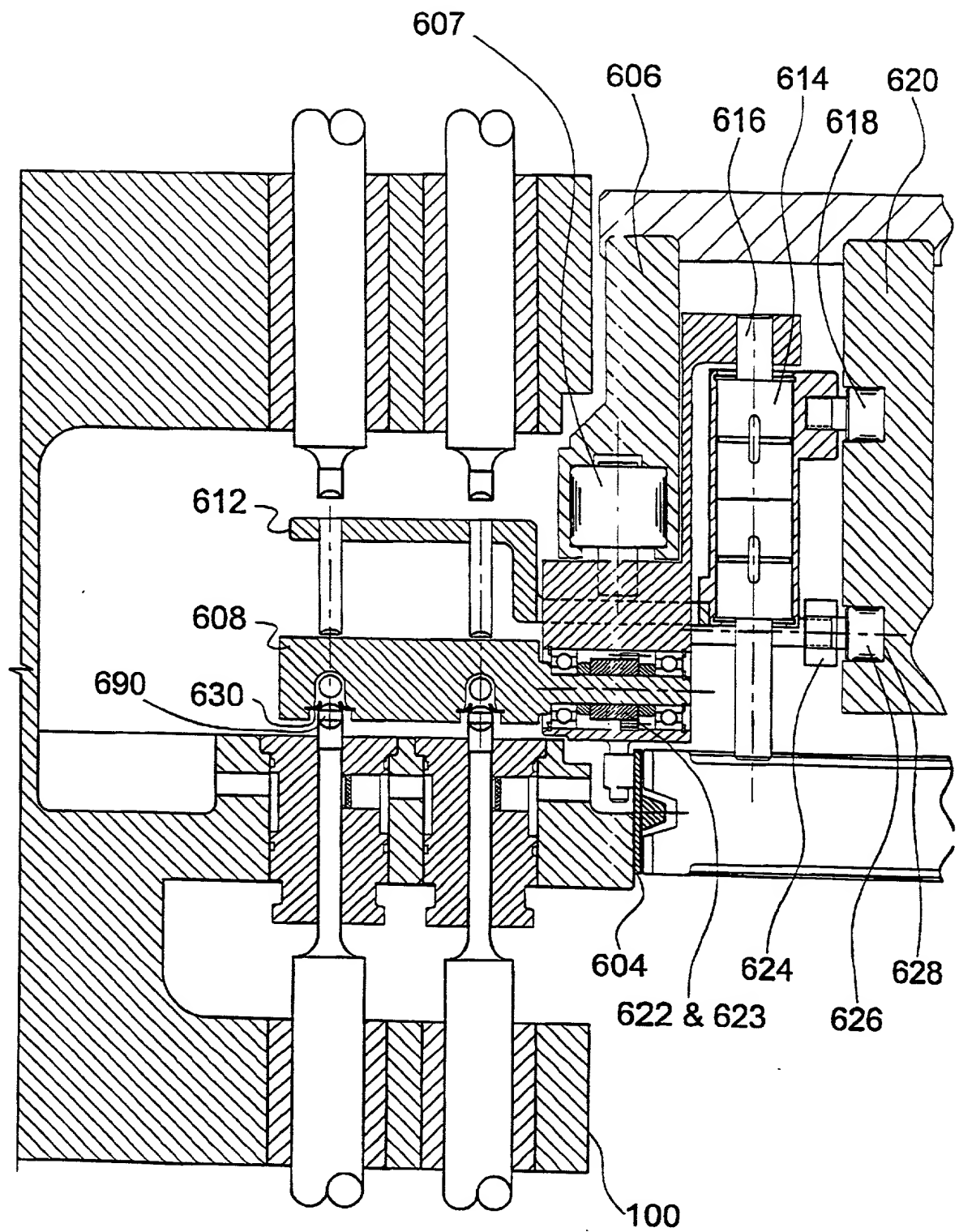


FIG. 80

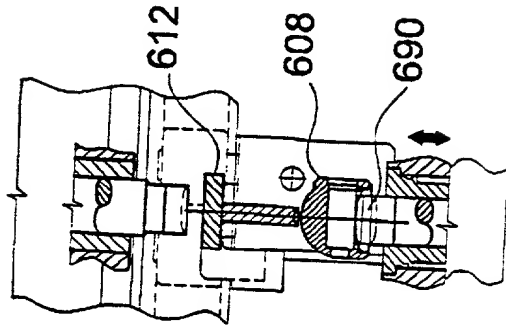


FIG. - 81A

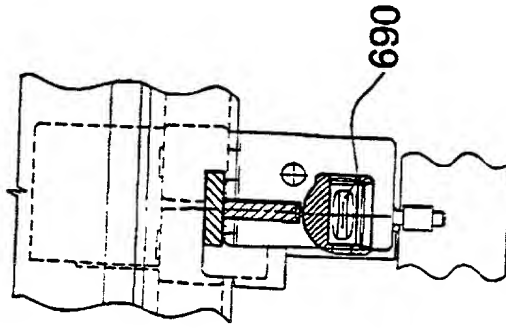


FIG. - 81B

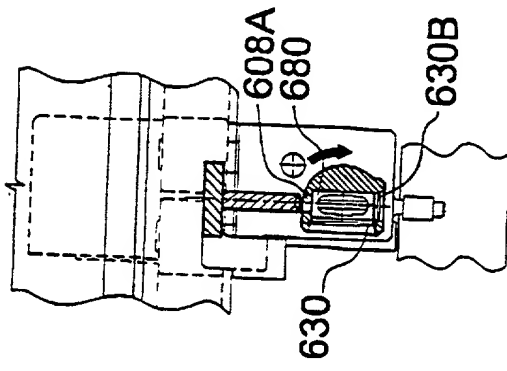


FIG. - 81C

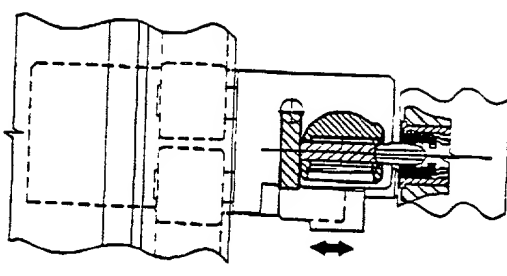


FIG. - 81D

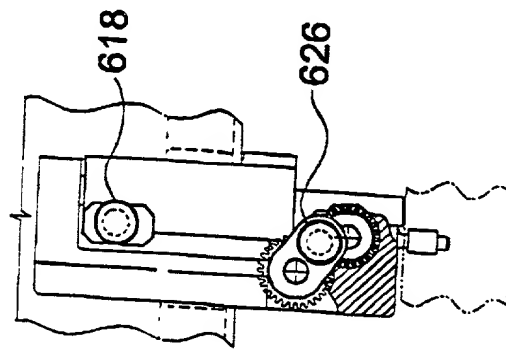


FIG. - 81E

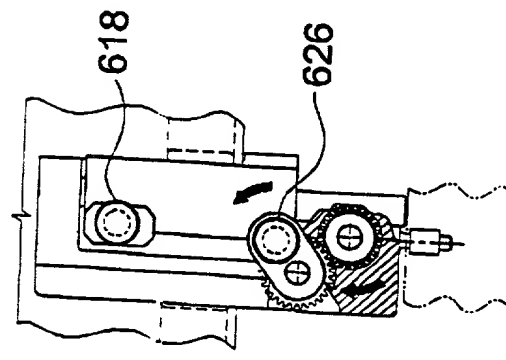


FIG. - 81F

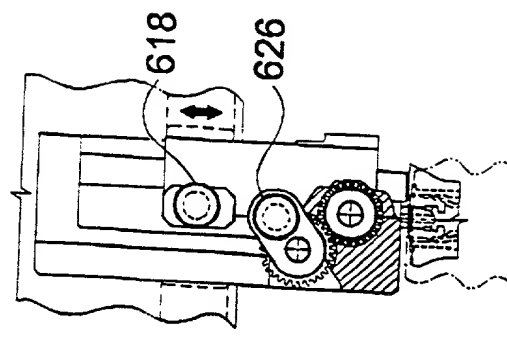


FIG. - 81G

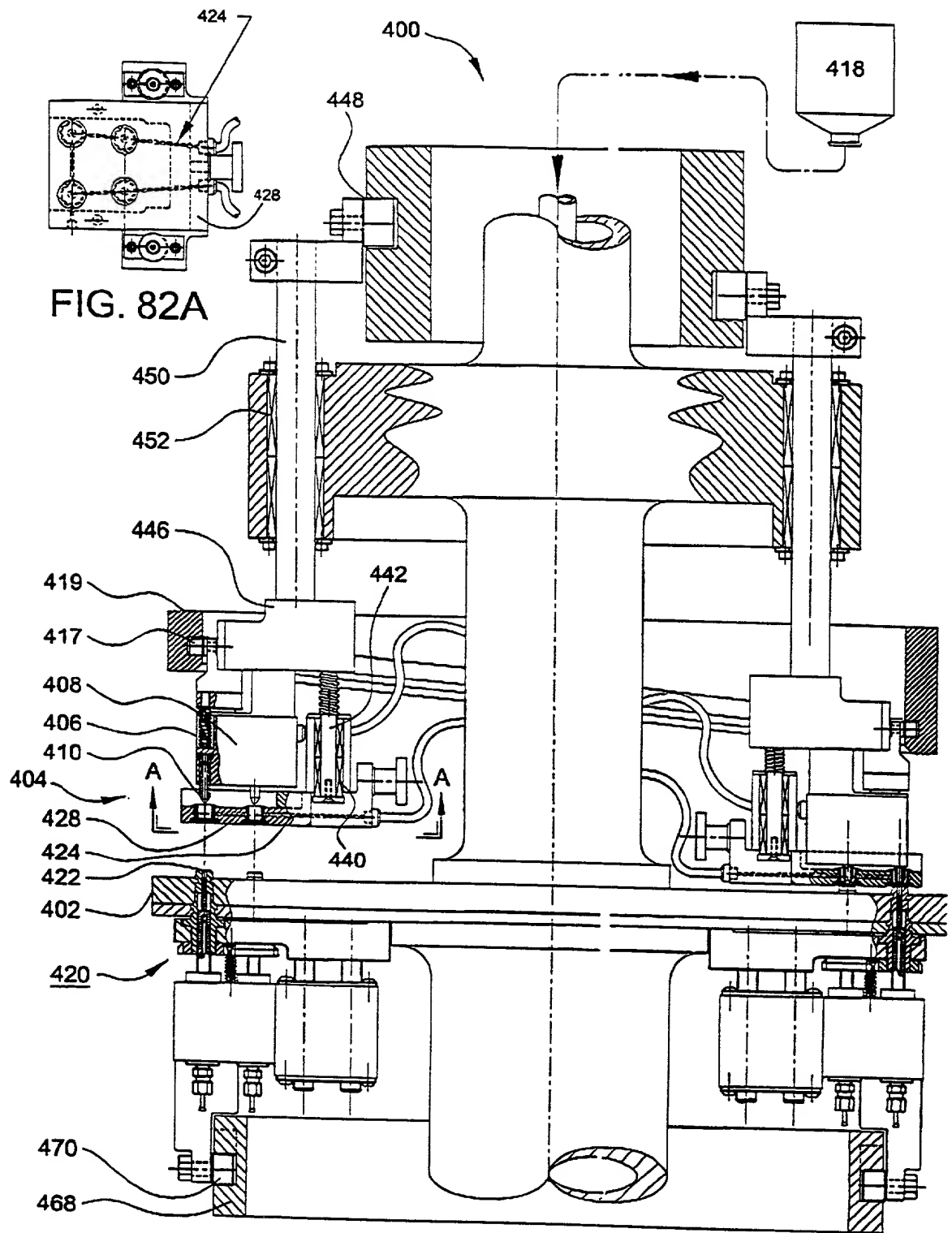


FIG. 82

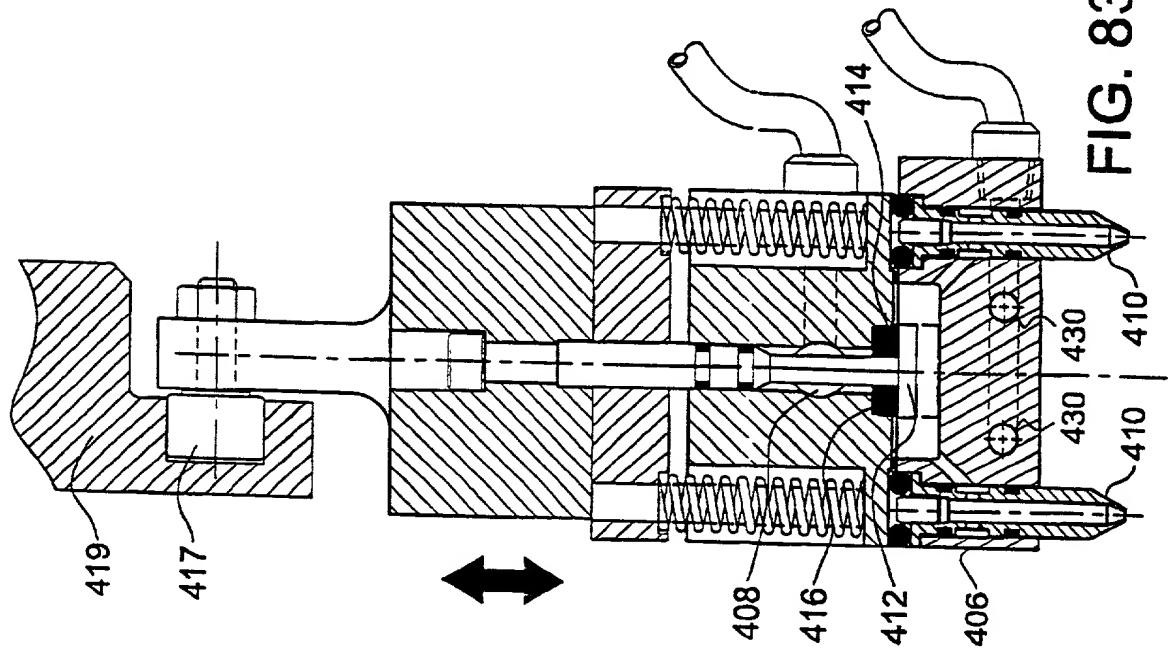


FIG. 83

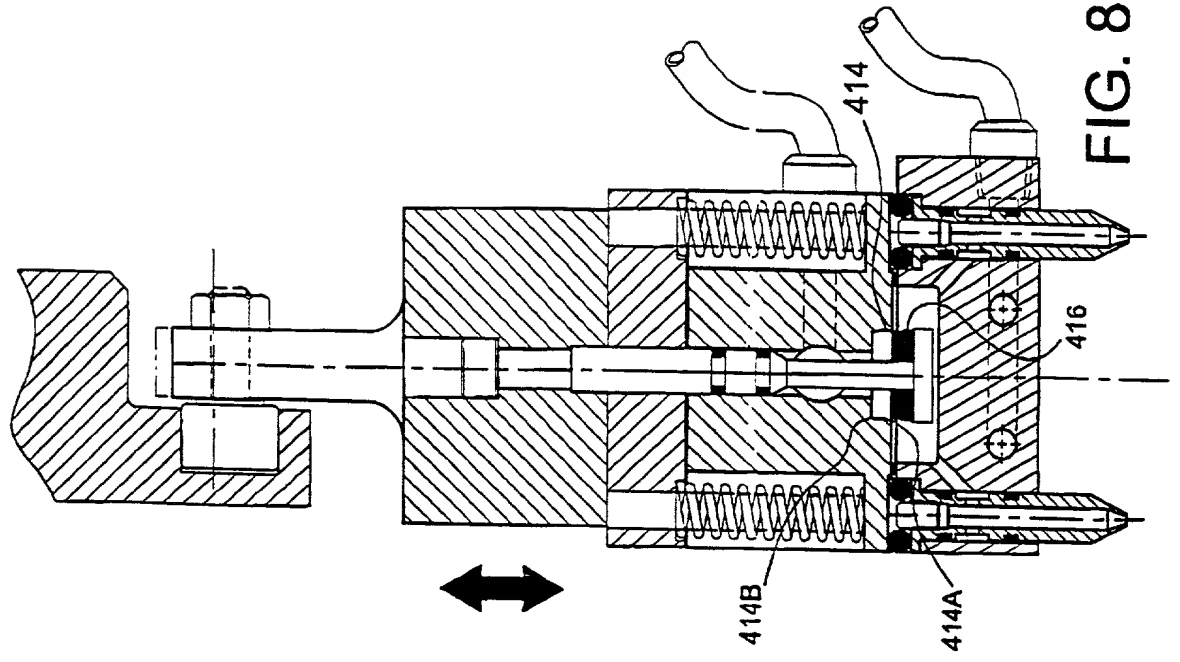


FIG. 84

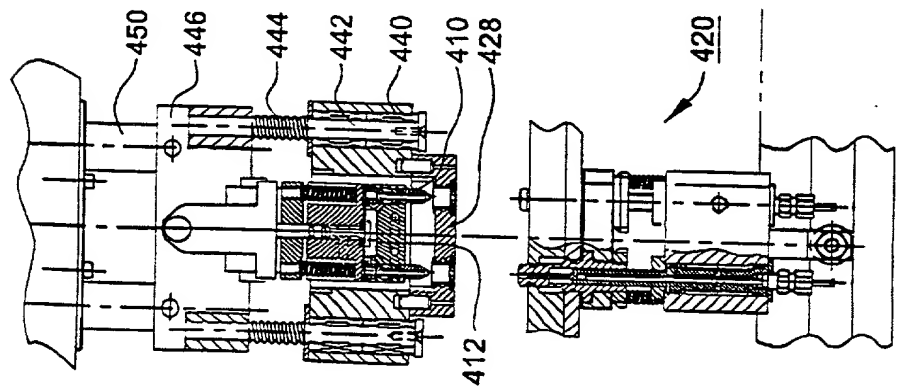


FIG.- 85A

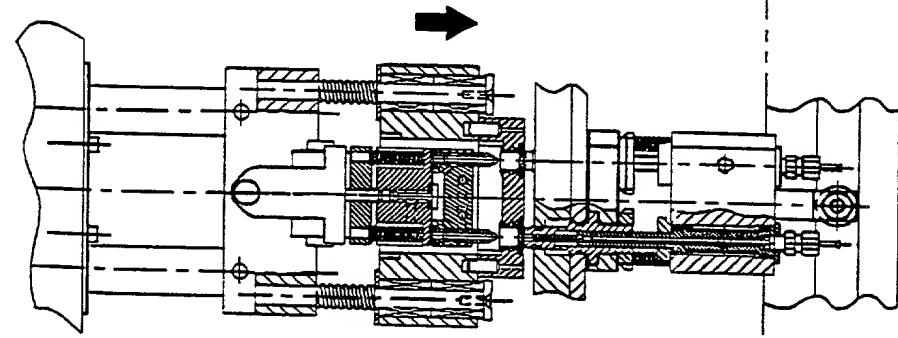


FIG. - 85B

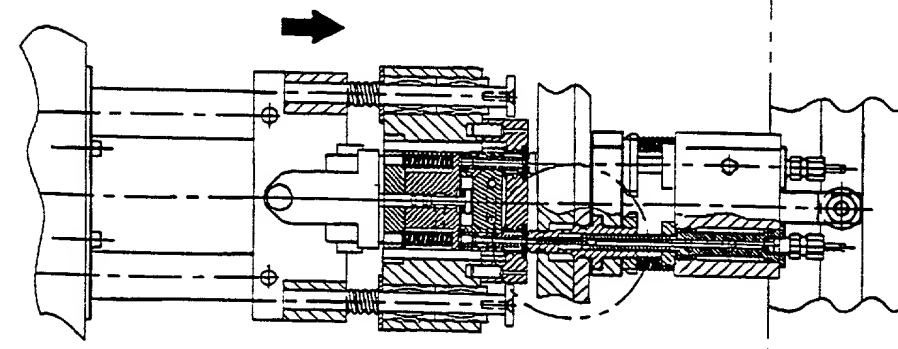


FIG.- 85C

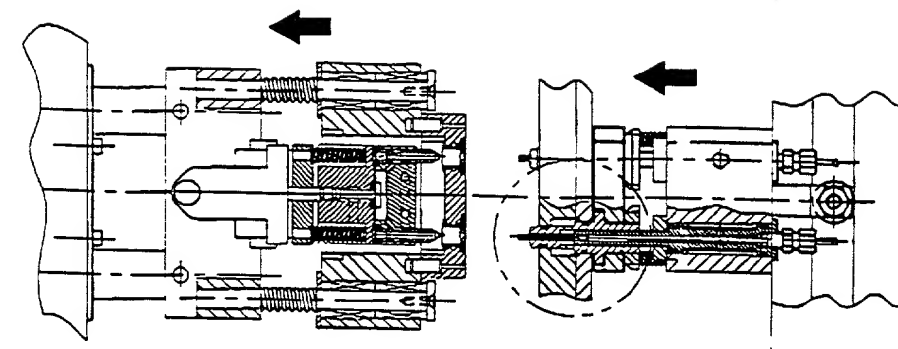


FIG.- 85D

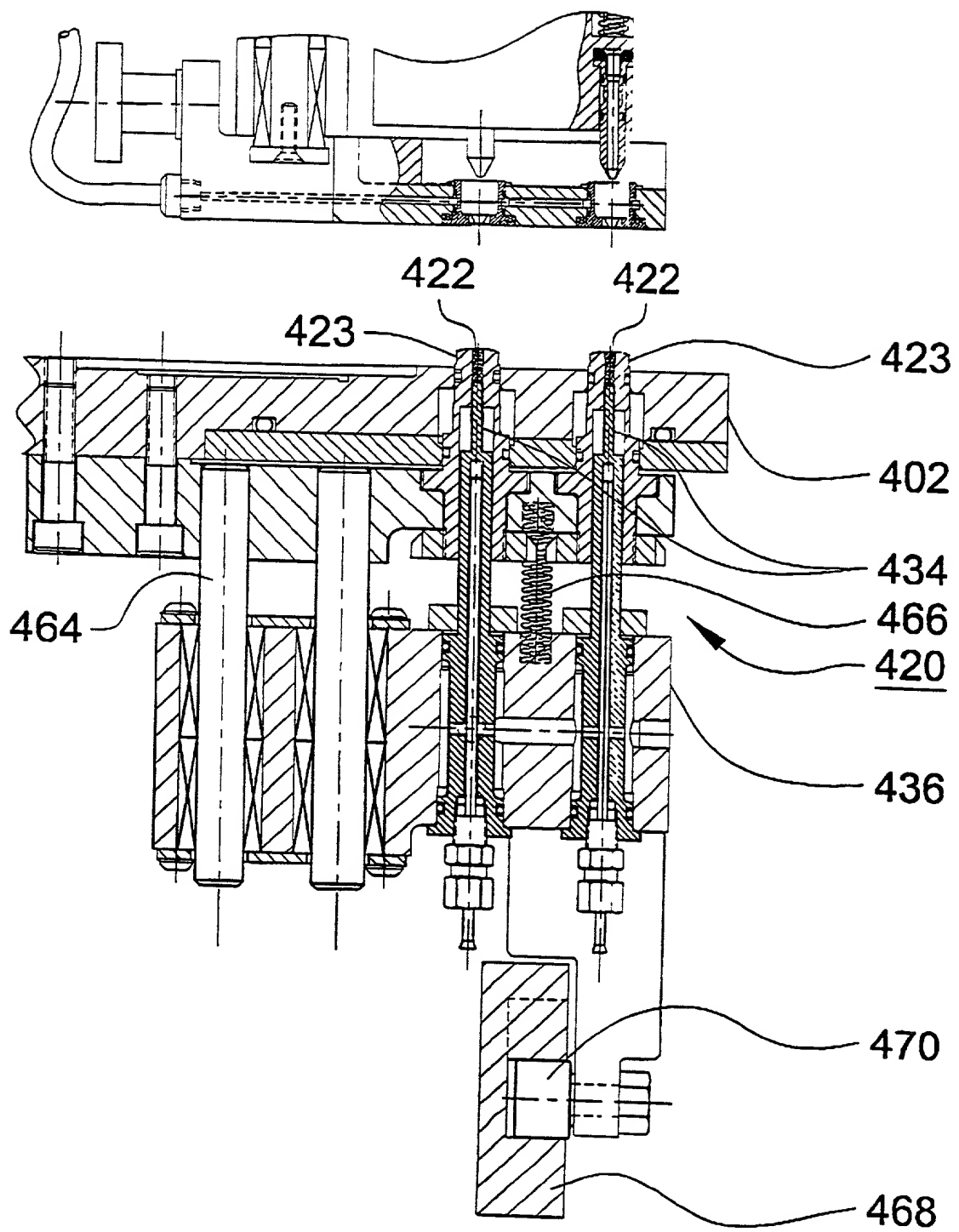


FIG. 86

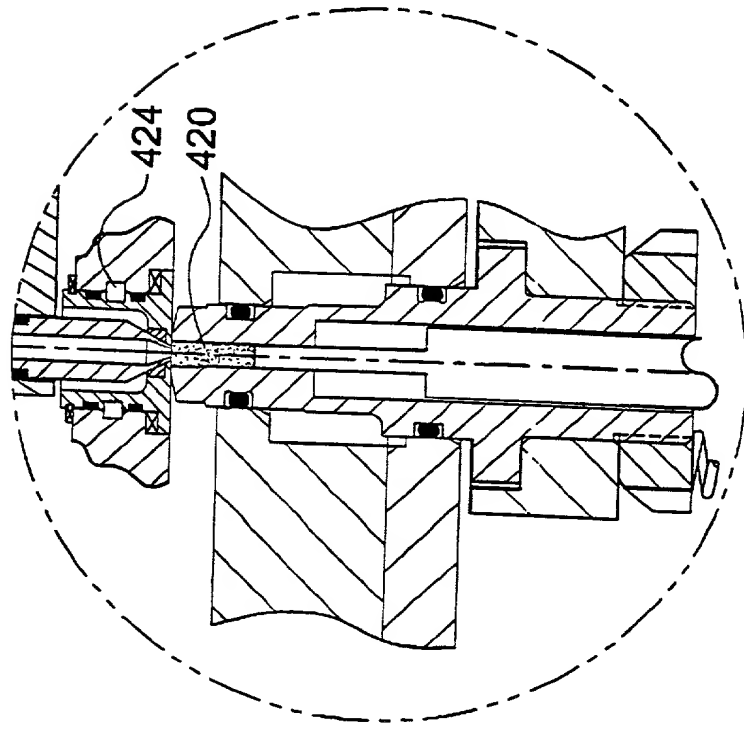


FIG. 87

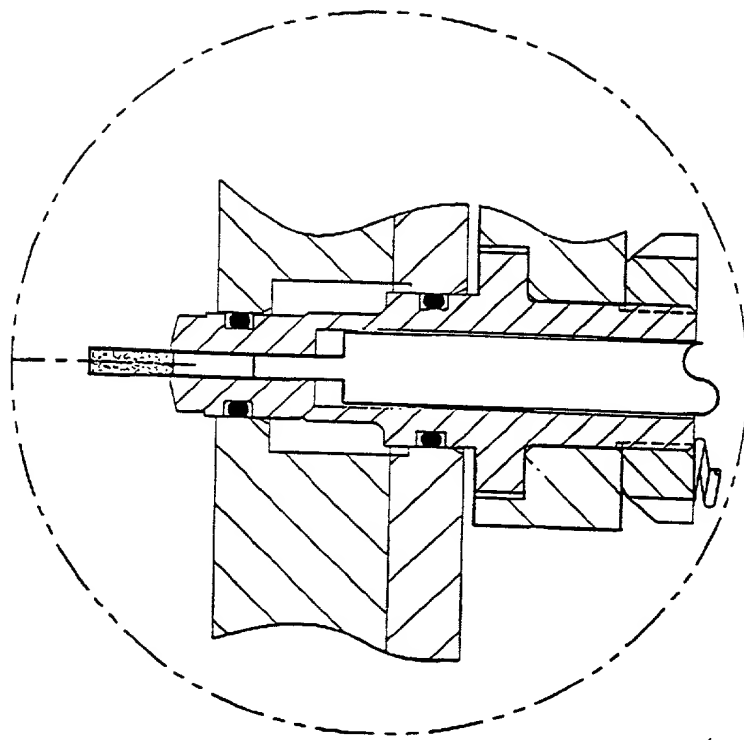


FIG. 88

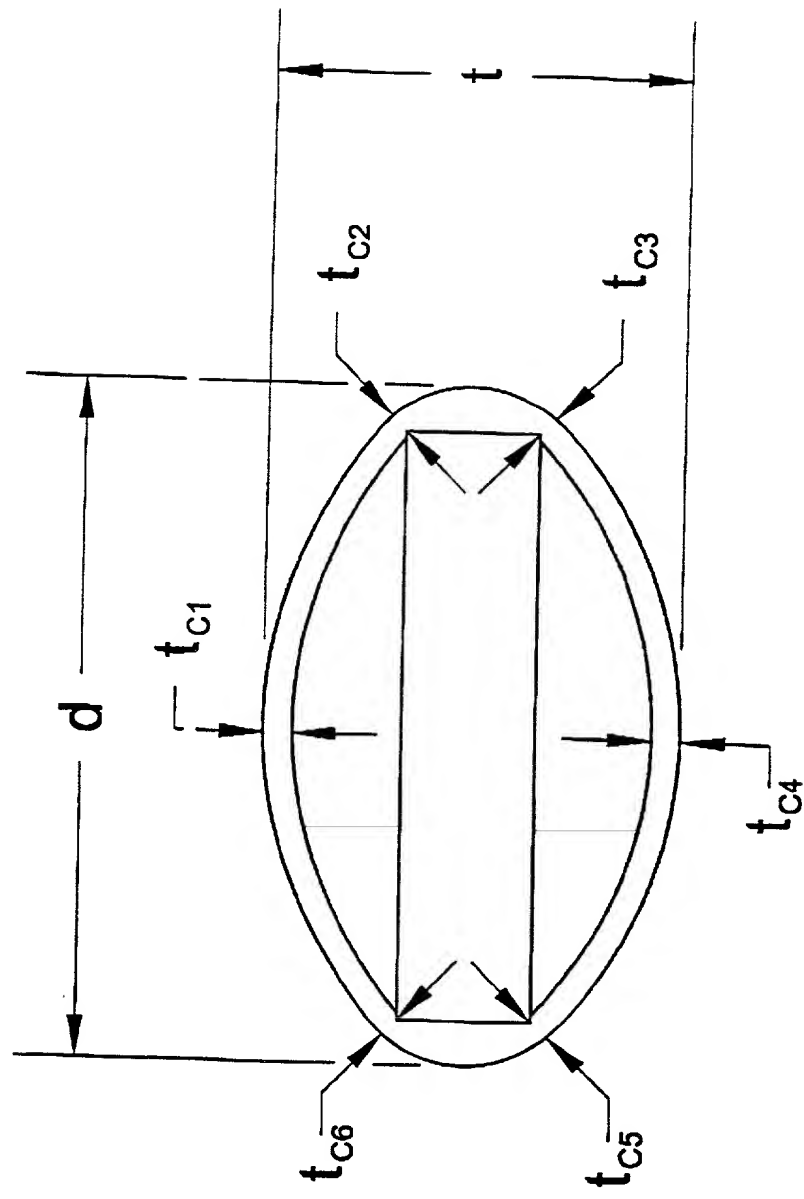


FIG. 89